

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN080919\
 Data File : VN057141.D
 Acq On : 9 Aug 2019 13:00
 Operator : JC/SP
 Sample : VN0809WBS01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0809WBS01

Quant Time: Aug 10 02:10:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080719W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 08 06:49:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	1142893	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.01	114	1696346	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.91	117	1485427	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.87	152	530257	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.44	65	573092	48.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.52%	
35) Dibromofluoromethane	6.99	113	515547	48.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.86%	
50) Toluene-d8	9.56	98	1966739	48.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.58%	
62) 4-Bromofluorobenzene	11.92	95	613879	46.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.56%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.82	85	161049	17.532	ug/l	99
3) Chloromethane	2.00	50	211669	17.343	ug/l	95
4) Vinyl Chloride	2.11	62	208373	18.367	ug/l	100
5) Bromomethane	2.43	94	149762	19.429	ug/l	99
6) Chloroethane	2.55	64	136230	18.721	ug/l	95
7) Trichlorofluoromethane	2.82	101	312874	19.187	ug/l	98
8) Diethyl Ether	3.14	74	119698	18.999	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.44	101	191659	19.388	ug/l	100
10) Methyl Iodide	3.63	142	276841	18.532	ug/l	100
11) Tert butyl alcohol	4.23	59	154664	92.468	ug/l	99
12) 1,1-Dichloroethene	3.43	96	190519	19.591	ug/l	99
13) Acrolein	3.31	56	89080	84.186	ug/l	99
14) Allyl chloride	3.91	41	292395	20.689	ug/l	95
15) Acrylonitrile	4.45	53	454612	100.426	ug/l	99
16) Acetone	3.47	43	364698	102.742	ug/l	96
17) Carbon Disulfide	3.72	76	472370	18.258	ug/l	100
18) Methyl Acetate	3.89	43	228711	21.248	ug/l	99
19) Methyl tert-butyl Ether	4.49	73	580632	19.777	ug/l	99
20) Methylene Chloride	4.10	84	220974	18.863	ug/l	97
21) trans-1,2-Dichloroethene	4.51	96	199092	18.793	ug/l	99
22) Diisopropyl ether	5.31	45	604600	19.613	ug/l	93
23) Vinyl Acetate	5.26	43	2366175	100.236	ug/l	100
24) 1,1-Dichloroethane	5.25	63	364479	19.233	ug/l	98
25) 2-Butanone	6.20	43	556230	102.562	ug/l	98
26) 2,2-Dichloropropane	6.21	77	285474	20.706	ug/l	99
27) cis-1,2-Dichloroethene	6.21	96	234295	19.305	ug/l	100
28) Bromochloromethane	6.58	49	175366	20.119	ug/l	100
29) Tetrahydrofuran	6.60	42	370586	101.436	ug/l	99
30) Chloroform	6.76	83	374106	19.074	ug/l	98
31) Cyclohexane	7.07	56	315536	18.508	ug/l	96
32) 1,1,1-Trichloroethane	6.98	97	319479	19.417	ug/l	98
36) 1,1-Dichloropropene	7.20	75	275303	19.711	ug/l	99
37) Ethyl Acetate	6.28	43	236794	20.559	ug/l #	100
38) Carbon Tetrachloride	7.19	117	284722	19.561	ug/l	98

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.53	83	329902	19.423	ug/l	96
40) Benzene	7.46	78	850384	19.233	ug/l	100
41) Methacrylonitrile	6.55	41	116410	19.905	ug/l	97
42) 1,2-Dichloroethane	7.54	62	271860	19.279	ug/l	100
43) Isopropyl Acetate	7.56	43	395283	20.118	ug/l	98
44) Trichloroethene	8.27	130	242396	19.568	ug/l	98
45) 1,2-Dichloropropane	8.56	63	221290	19.329	ug/l	99
46) Dibromomethane	8.65	93	147401	20.080	ug/l	99
47) Bromodichloromethane	8.85	83	283841	19.984	ug/l	97
48) Methyl methacrylate	8.64	41	177376	19.145	ug/l	99
49) 1,4-Dioxane	8.64	88	77958	413.139	ug/l	99
51) 4-Methyl-2-Pentanone	9.44	43	1147211	100.324	ug/l	100
52) Toluene	9.63	92	546214	19.902	ug/l	97
53) t-1,3-Dichloropropene	9.86	75	298005	20.083	ug/l	100
54) cis-1,3-Dichloropropene	9.30	75	337538	19.824	ug/l	99
55) 1,1,2-Trichloroethane	10.04	97	214021	19.830	ug/l	100
56) Ethyl methacrylate	9.90	69	293660	19.433	ug/l	99
57) 1,3-Dichloropropane	10.19	76	347438	19.521	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.15	63	466674	86.501	ug/l	100
59) 2-Hexanone	10.24	43	794010	102.597	ug/l	99
60) Dibromochloromethane	10.39	129	224798	19.832	ug/l	99
61) 1,2-Dibromoethane	10.50	107	218059	19.580	ug/l	99
64) Tetrachloroethene	10.11	164	245589	19.880	ug/l	97
65) Chlorobenzene	10.93	112	580826	19.434	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.01	131	222814	19.941	ug/l	99
67) Ethyl Benzene	11.01	91	1005715	19.551	ug/l	100
68) m/p-Xylenes	11.13	106	746750	39.405	ug/l	100
69) o-Xylene	11.46	106	368767	19.552	ug/l	98
70) Styrene	11.47	104	578893	19.651	ug/l	99
71) Bromoform	11.64	173	162694	19.877	ug/l #	98
73) Isopropylbenzene	11.76	105	990103	21.417	ug/l	100
74) N-amyl acetate	11.58	43	266811	19.856	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.02	83	281182	21.950	ug/l	100
76) 1,2,3-Trichloropropane	12.08	75	329555	30.698	ug/l #	100
77) Bromobenzene	12.04	156	251356	19.722	ug/l	100
78) n-propylbenzene	12.11	91	994527	19.550	ug/l	100
79) 2-Chlorotoluene	12.19	91	626614	20.980	ug/l	100
80) 1,3,5-Trimethylbenzene	12.26	105	805260	19.671	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.82	75	74378	20.624	ug/l	97
82) 4-Chlorotoluene	12.30	91	569213	19.325	ug/l	100
83) tert-Butylbenzene	12.52	119	731736	21.483	ug/l	99
84) 1,2,4-Trimethylbenzene	12.57	105	756074	19.108	ug/l	99
85) sec-Butylbenzene	12.70	105	885117	19.159	ug/l	99
86) p-Isopropyltoluene	12.82	119	763835	18.842	ug/l	99
87) 1,3-Dichlorobenzene	12.81	146	354895	19.559	ug/l	98
88) 1,4-Dichlorobenzene	12.89	146	322359	18.750	ug/l	98
89) n-Butylbenzene	13.15	91	533030	19.032	ug/l	99
90) Hexachloroethane	13.41	117	140364	21.229	ug/l	100
91) 1,2-Dichlorobenzene	13.19	146	347075	19.155	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.81	75	33754	18.108	ug/l	94

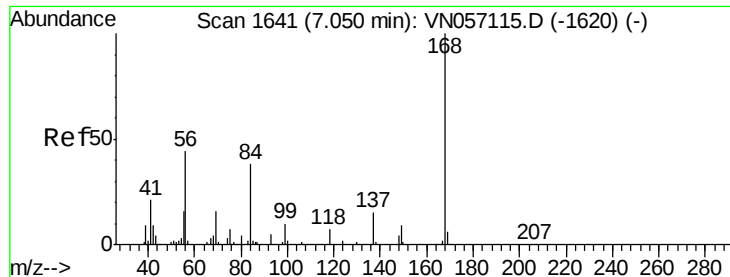
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN080919\
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Quant Title : SW846 8260
QLast Update : Thu Aug 08 06:49:25 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.45	180	93262	16.627	ug/l	99
94) Hexachlorobutadiene	14.55	225	147745	21.194	ug/l	97
95) Naphthalene	14.67	128	191170	16.098	ug/l	99
96) 1,2,3-Trichlorobenzene	14.83	180	100648	16.935	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 1642

Delta R.T. 0.00 min

Lab File: VN057141.D

Acq: 9 Aug 2019 13:00

Instrument :

MSVOA_N

ClientSampled :

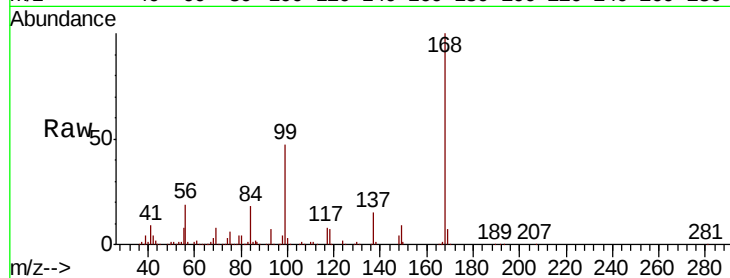
VN0809WBS01

Tgt Ion:168 Resp: 1142893

Ion Ratio Lower Upper

168 100

99 46.6 38.6 57.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.05

400000

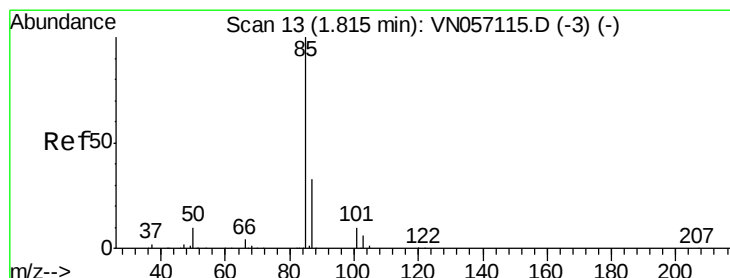
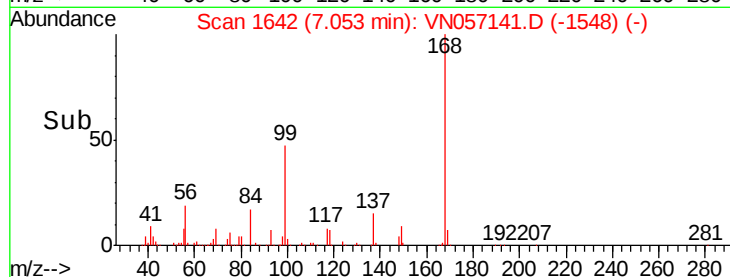
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 17.532 ug/l

RT: 1.82 min Scan# 14

Delta R.T. 0.00 min

Lab File: VN057141.D

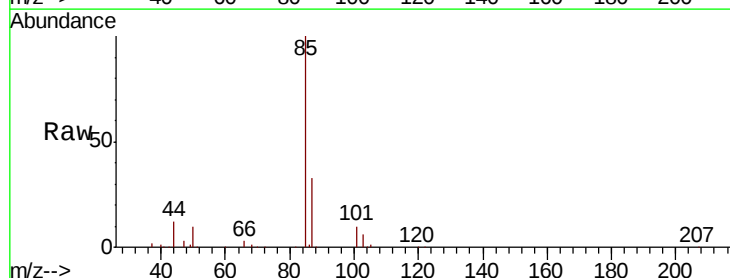
Acq: 9 Aug 2019 13:00

Tgt Ion: 85 Resp: 161049

Ion Ratio Lower Upper

85 100

87 32.6 16.7 50.0



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.82

120000

100000

80000

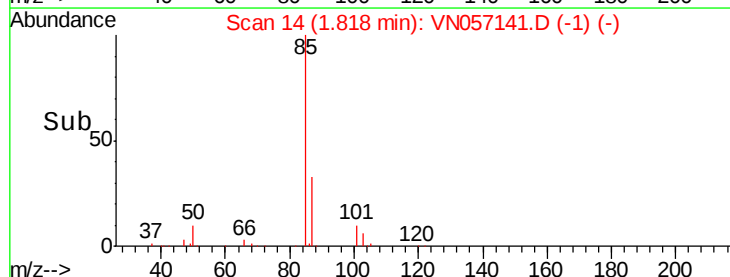
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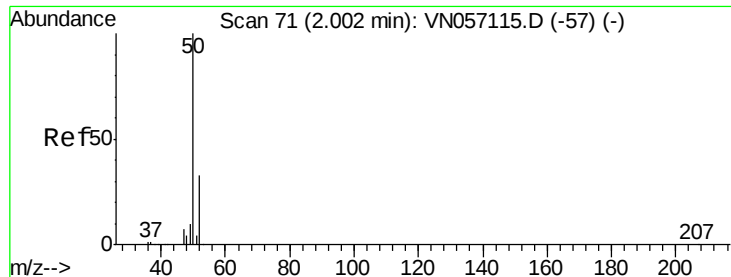
40000

20000

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Time-->





#3

Chloromethane

Concen: 17.343 ug/l

RT: 2.00 min Scan# 71

Delta R.T. -0.00 min

Lab File: VN057141.D

Acq: 9 Aug 2019 13:00

Instrument :

MSVOA_N

ClientSampleId :

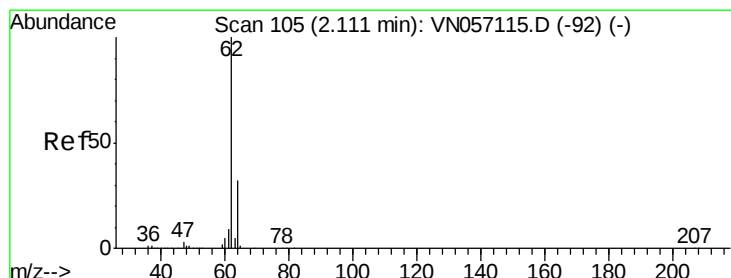
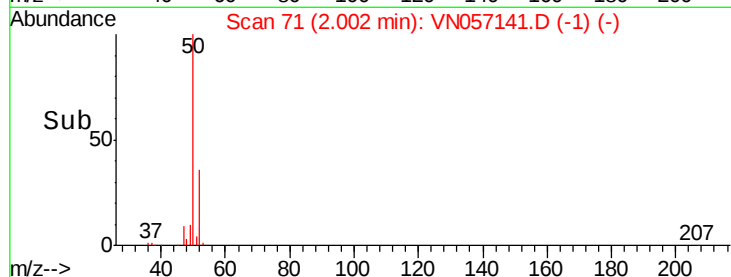
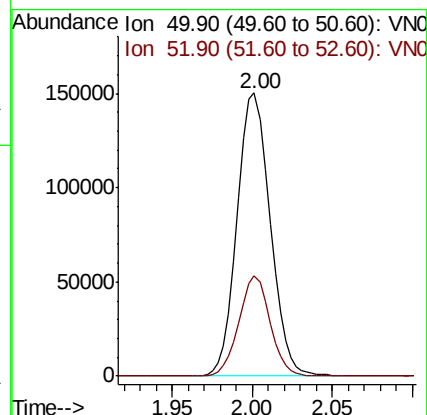
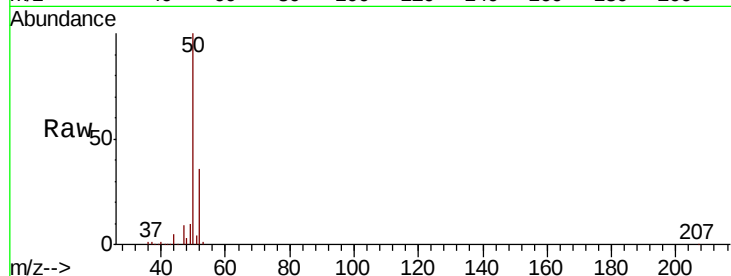
VN0809WBS01

Tgt Ion: 50 Resp: 211669

Ion Ratio Lower Upper

50 100

52 35.6 26.1 39.1



#4

Vinyl Chloride

Concen: 18.367 ug/l

RT: 2.11 min Scan# 105

Delta R.T. -0.00 min

Lab File: VN057141.D

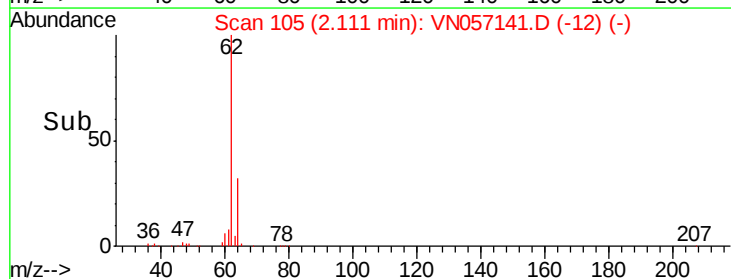
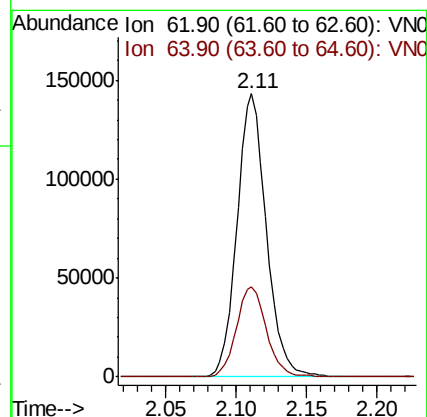
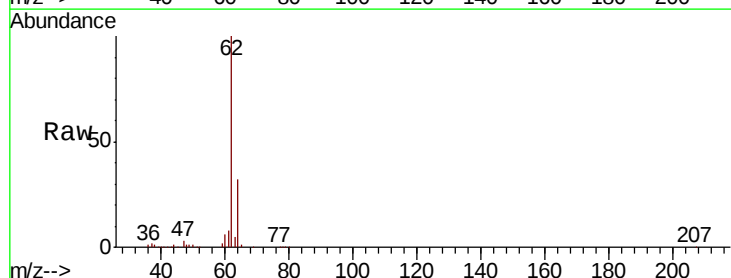
Acq: 9 Aug 2019 13:00

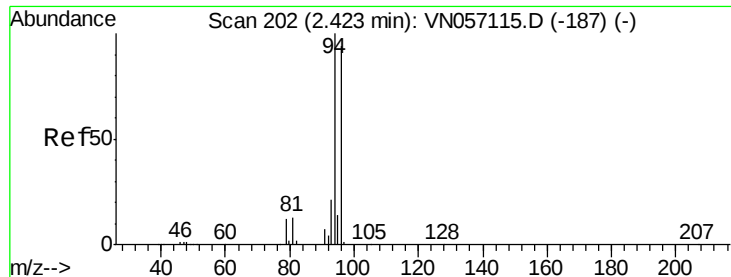
Tgt Ion: 62 Resp: 208373

Ion Ratio Lower Upper

62 100

64 31.9 25.4 38.0





#5

Bromomethane

Concen: 19.429 ug/l

RT: 2.43 min Scan# 204

Delta R.T. 0.01 min

Lab File: VN057141.D

Acq: 9 Aug 2019 13:00

Instrument :

MSVOA_N

ClientSampleId :

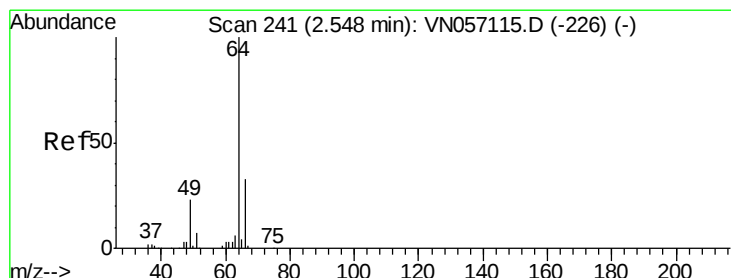
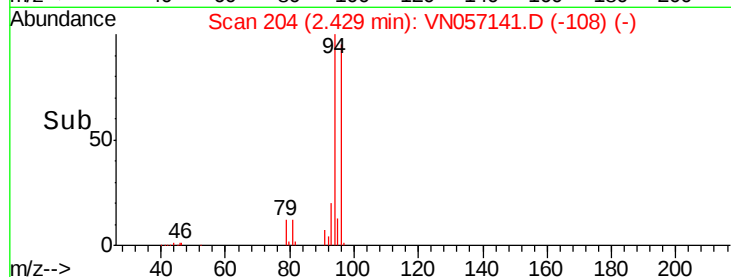
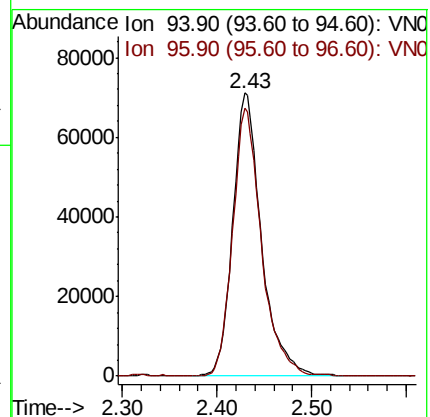
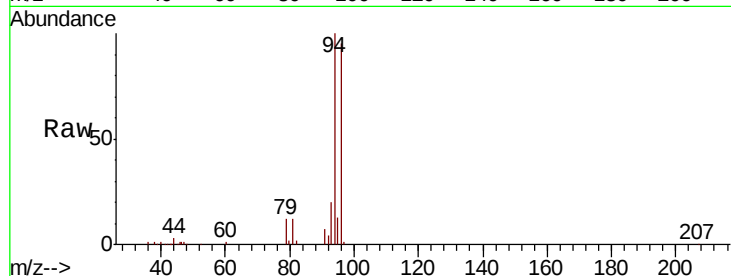
VN0809WBS01

Tgt Ion: 94 Resp: 149762

Ion Ratio Lower Upper

94 100

96 94.7 75.0 112.4



#6

Chloroethane

Concen: 18.721 ug/l

RT: 2.55 min Scan# 242

Delta R.T. 0.00 min

Lab File: VN057141.D

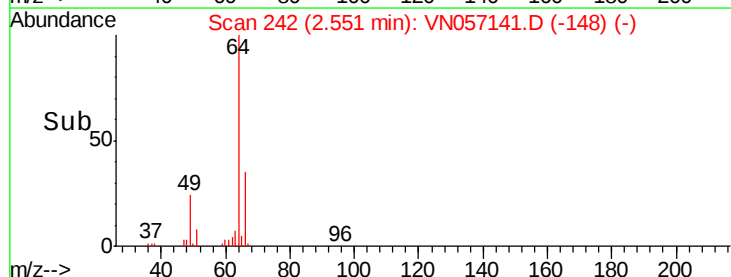
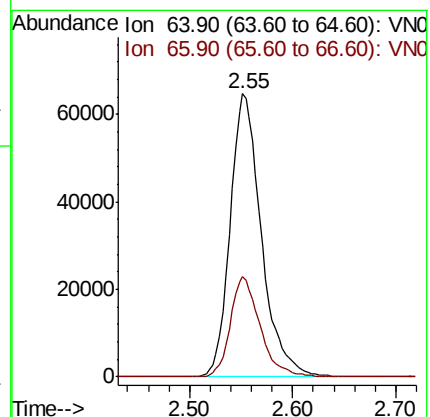
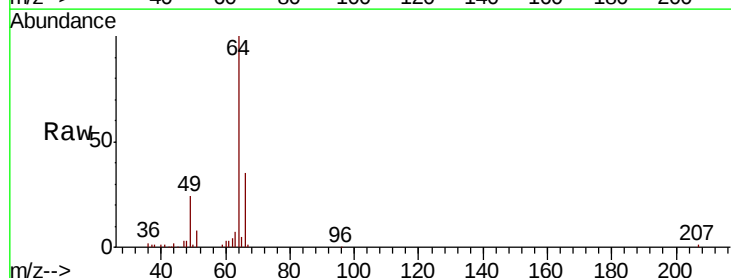
Acq: 9 Aug 2019 13:00

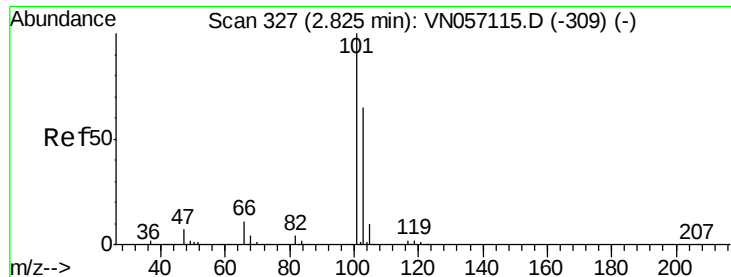
Tgt Ion: 64 Resp: 136230

Ion Ratio Lower Upper

64 100

66 35.4 26.2 39.4



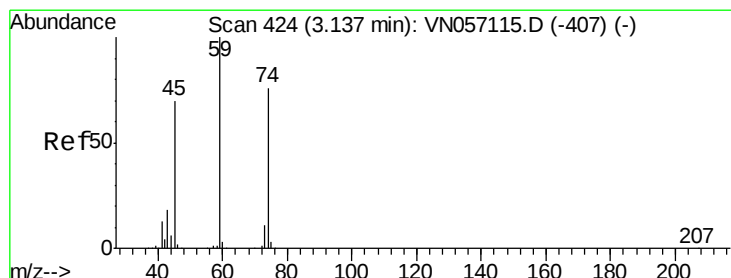
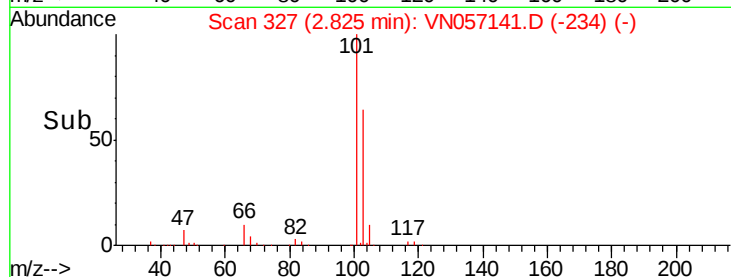
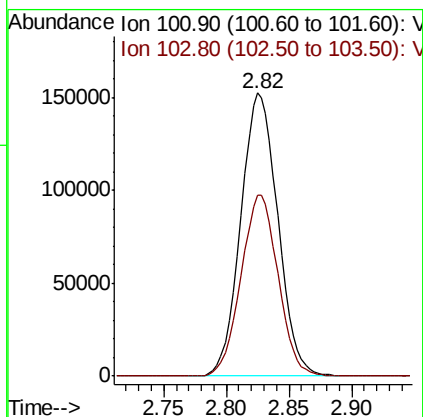
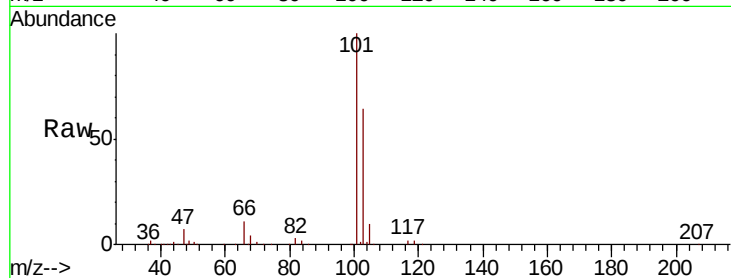


#7

Trichlorofluoromethane
 Concen: 19.187 ug/l
 RT: 2.82 min Scan# 327
 Delta R.T. -0.00 min
 Lab File: VN057141.D
 Acq: 9 Aug 2019 13:00

Instrument :
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 VN0809WBS01

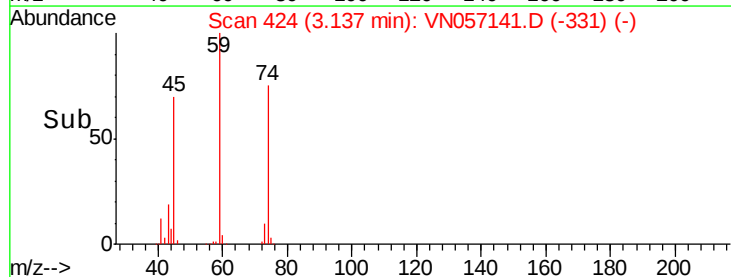
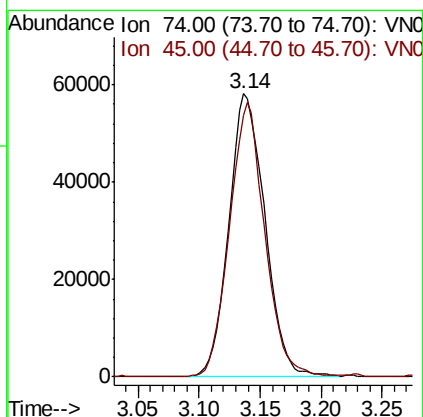
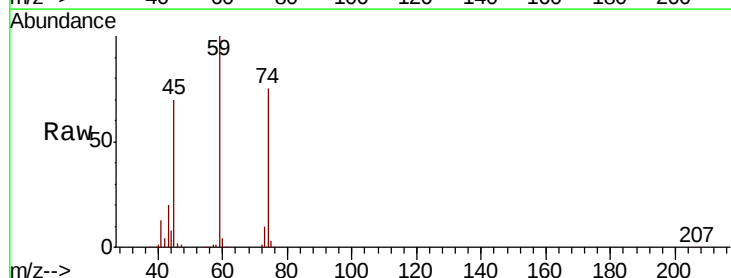
Tgt Ion: 101 Resp: 312874
 Ion Ratio Lower Upper
 101 100
 103 63.7 52.2 78.4

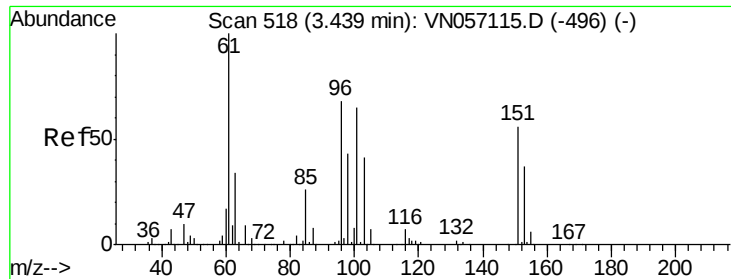


#8

Diethyl Ether
 Concen: 18.999 ug/l
 RT: 3.14 min Scan# 424
 Delta R.T. -0.00 min
 Lab File: VN057141.D
 Acq: 9 Aug 2019 13:00

Tgt Ion: 74 Resp: 119698
 Ion Ratio Lower Upper
 74 100
 45 94.9 46.3 138.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.388 ug/l

RT: 3.44 min Scan# 518

Delta R.T. -0.00 min

Lab File: VN057141.D

Acq: 9 Aug 2019 13:00

Instrument :

MSVOA_N

ClientSampleId :

VN0809WBS01

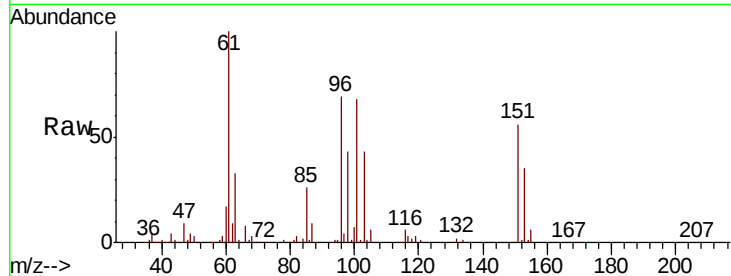
Tgt Ion:101 Resp: 191659

Ion Ratio Lower Upper

101 100

85 40.8 32.3 48.5

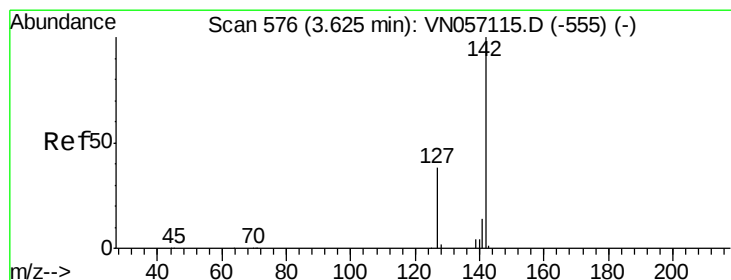
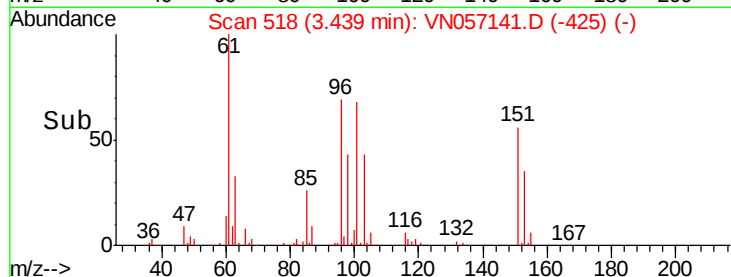
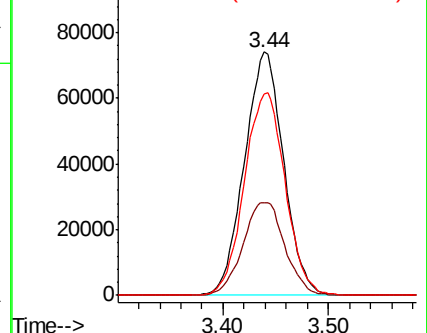
151 86.7 69.4 104.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.532 ug/l

RT: 3.63 min Scan# 576

Delta R.T. -0.00 min

Lab File: VN057141.D

Acq: 9 Aug 2019 13:00

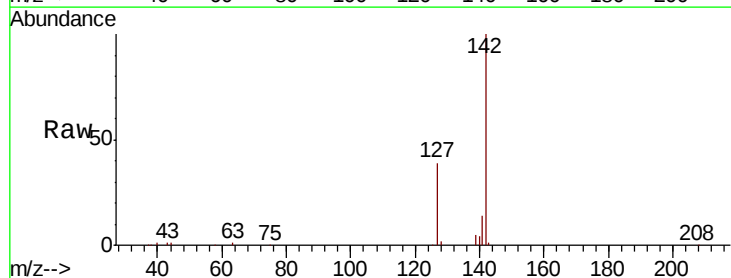
Tgt Ion:142 Resp: 276841

Ion Ratio Lower Upper

142 100

127 38.9 31.0 46.6

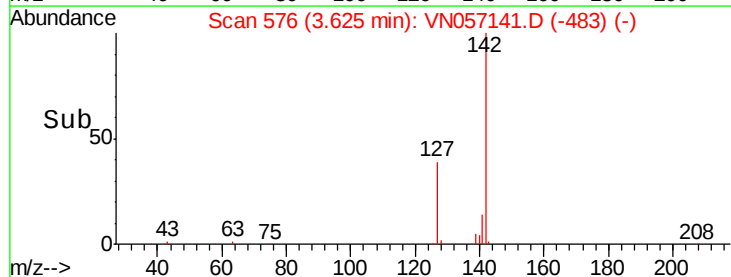
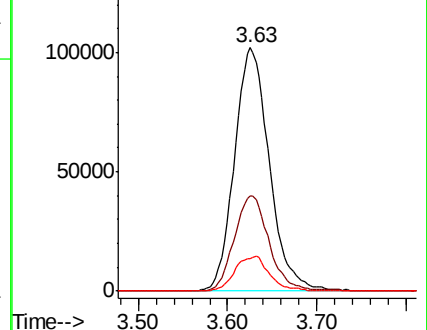
141 14.4 11.2 16.8

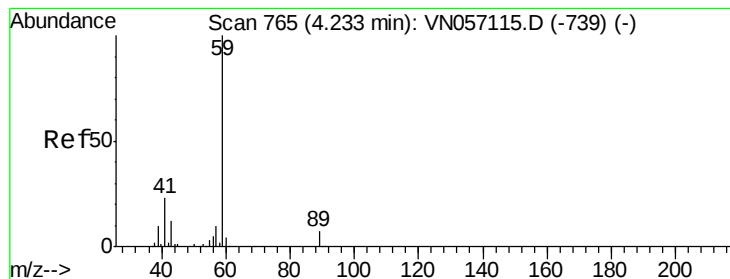


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 92.468 ug/l

RT: 4.23 min Scan# 764

Delta R.T. -0.00 min

Lab File: VN057141.D

Acq: 9 Aug 2019 13:00

Instrument :

MSVOA_N

ClientSampled :

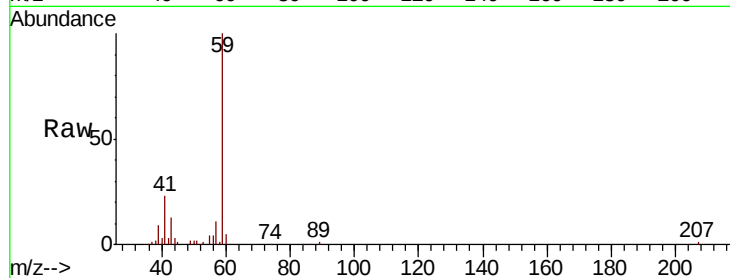
VN0809WBS01

Tgt Ion: 59 Resp: 154664

Ion Ratio Lower Upper

59 100

57 10.3 7.9 11.9



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

4.23

50000

40000

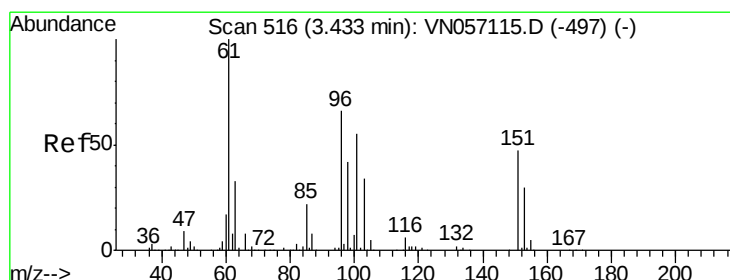
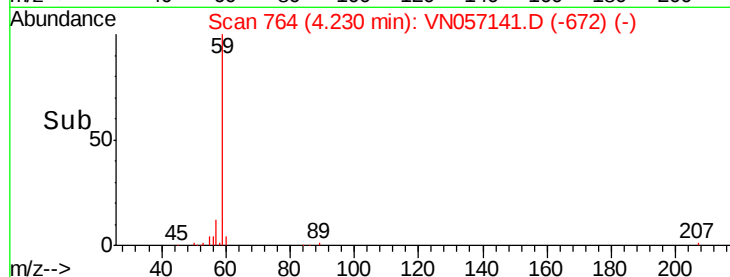
30000

20000

10000

0

Time--> 4.10 4.20 4.30



#12

1,1-Dichloroethene

Concen: 19.591 ug/l

RT: 3.43 min Scan# 516

Delta R.T. -0.00 min

Lab File: VN057141.D

Acq: 9 Aug 2019 13:00

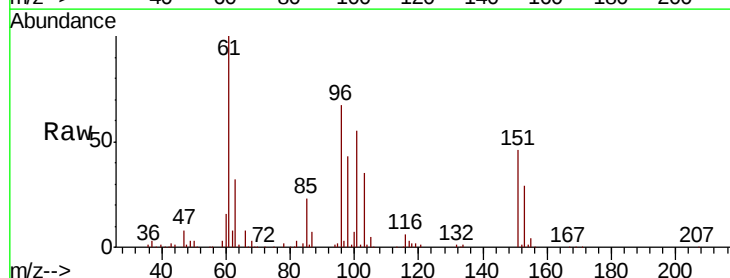
Tgt Ion: 96 Resp: 190519

Ion Ratio Lower Upper

96 100

61 150.3 121.0 181.6

98 64.3 50.8 76.2



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

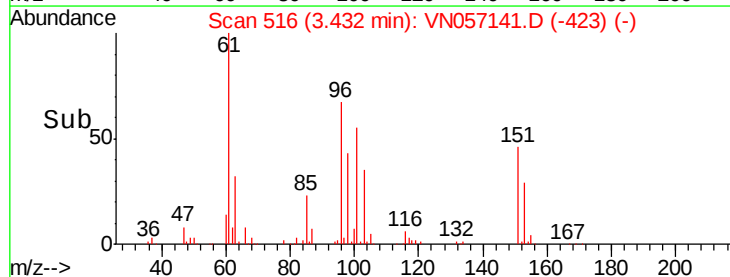
150000

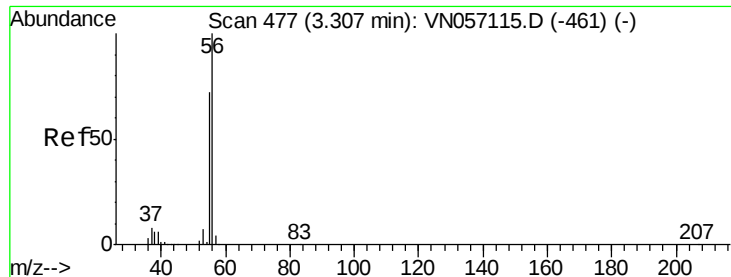
100000

50000

0

Time--> 3.30 3.40 3.50





#13

Acrolein

Concen: 84.186 ug/l

RT: 3.31 min Scan# 478

Delta R.T. 0.00 min

Lab File: VN057141.D

Acq: 9 Aug 2019 13:00

Instrument :

MSVOA_N

ClientSampleId :

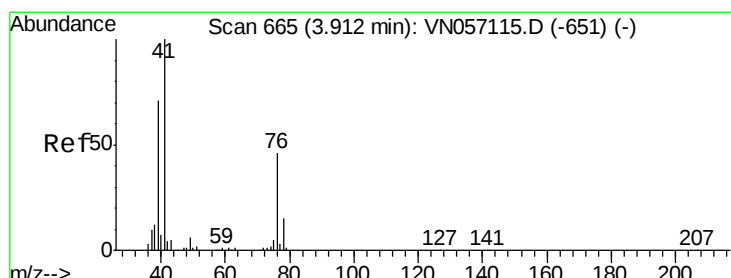
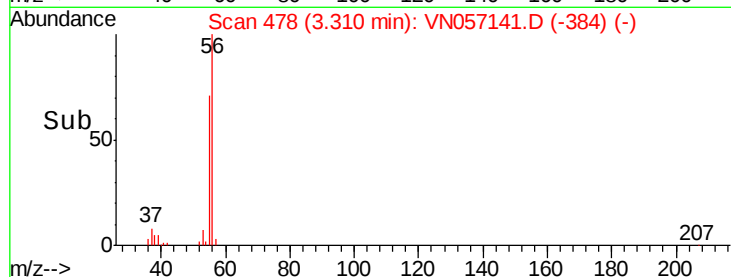
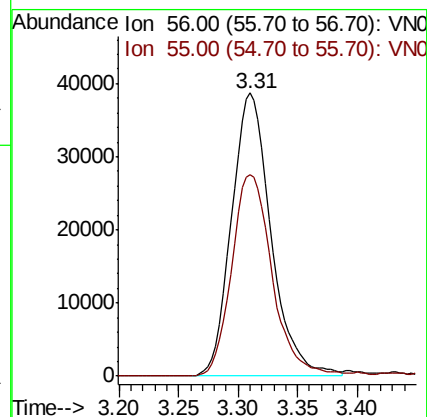
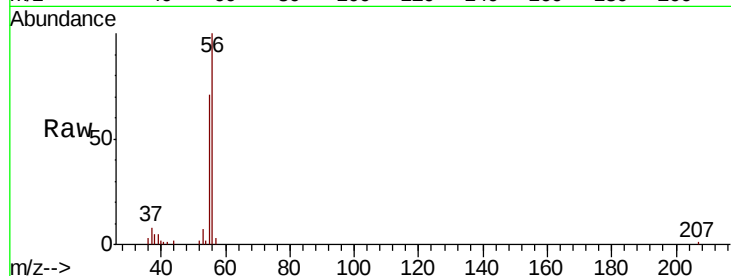
VN0809WBS01

Tgt Ion: 56 Resp: 89080

Ion Ratio Lower Upper

56 100

55 73.0 57.7 86.5



#14

Allyl chloride

Concen: 20.689 ug/l

RT: 3.91 min Scan# 665

Delta R.T. -0.00 min

Lab File: VN057141.D

Acq: 9 Aug 2019 13:00

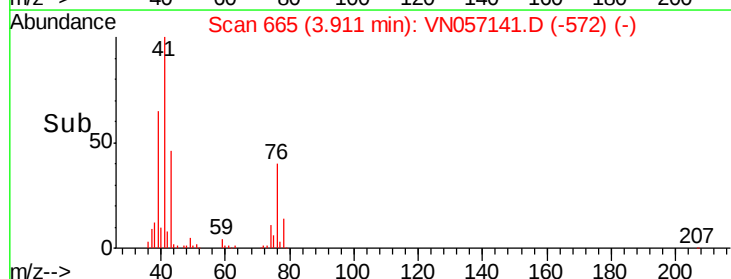
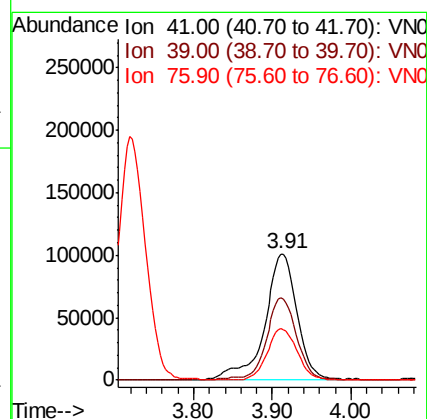
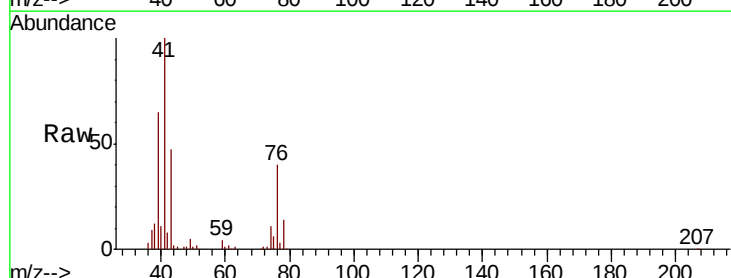
Tgt Ion: 41 Resp: 292395

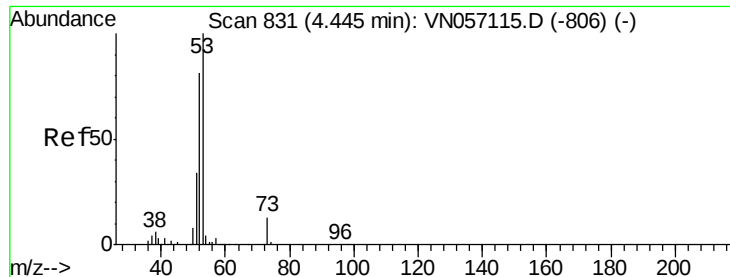
Ion Ratio Lower Upper

41 100

39 61.0 51.1 76.7

76 37.2 32.8 49.2





#15

Acrylonitrile

Concen: 100.426 ug/l

RT: 4.45 min Scan# 832

Delta R.T. 0.00 min

Lab File: VN057141.D

Acq: 9 Aug 2019 13:00

Instrument :

MSVOA_N

ClientSampleId :

VN0809WBS01

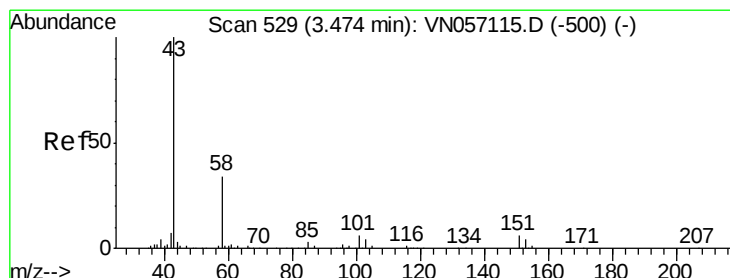
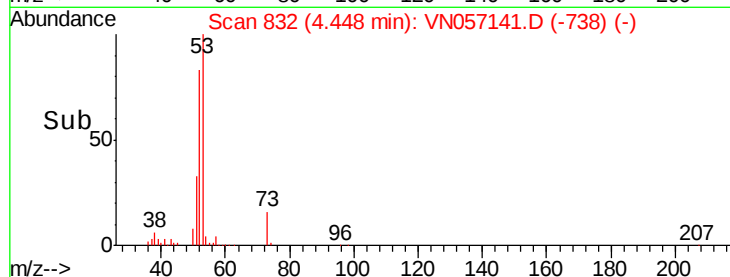
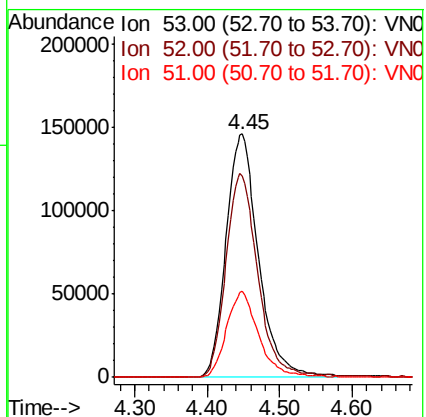
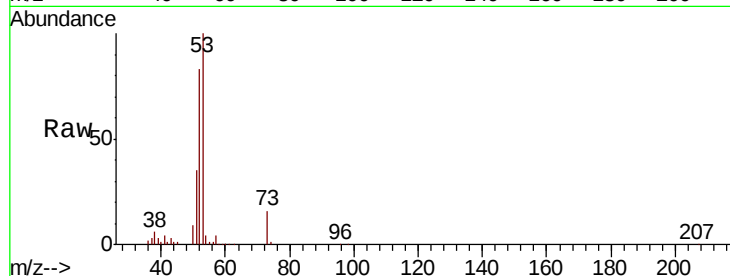
Tgt Ion: 53 Resp: 454612

Ion Ratio Lower Upper

53 100

52 82.0 64.9 97.3

51 34.7 27.8 41.6



#16

Acetone

Concen: 102.742 ug/l

RT: 3.47 min Scan# 529

Delta R.T. -0.00 min

Lab File: VN057141.D

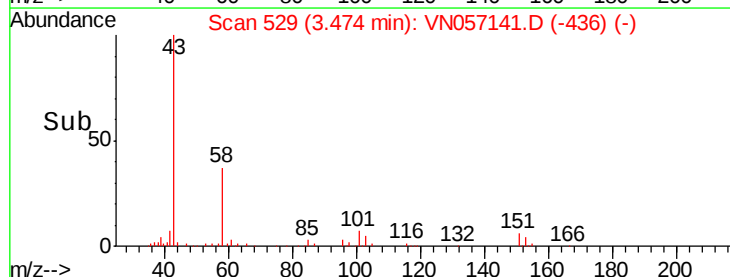
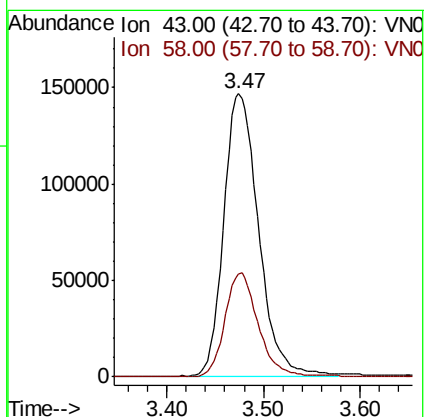
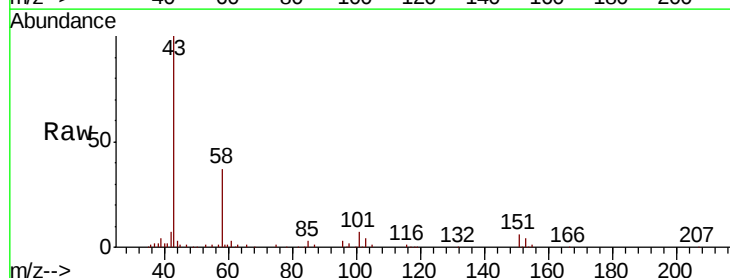
Acq: 9 Aug 2019 13:00

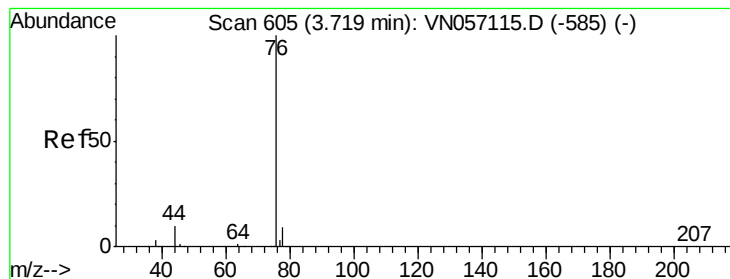
Tgt Ion: 43 Resp: 364698

Ion Ratio Lower Upper

43 100

58 36.6 27.4 41.2





#17

Carbon Disulfide

Concen: 18.258 ug/l

RT: 3.72 min Scan# 605

Delta R.T. -0.00 min

Lab File: VN057141.D

Acq: 9 Aug 2019 13:00

Instrument :

MSVOA_N

ClientSampleId :

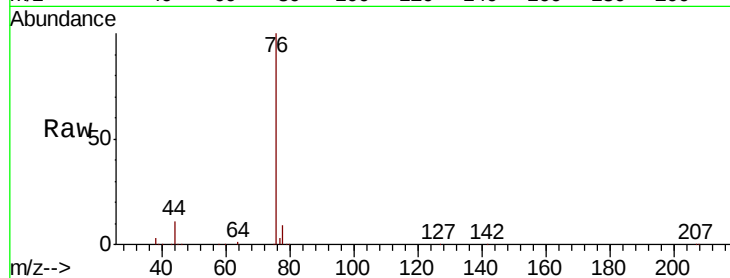
VN0809WBS01

Tgt Ion: 76 Resp: 472370

Ion Ratio Lower Upper

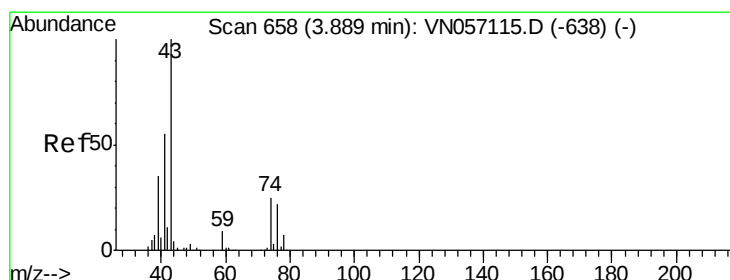
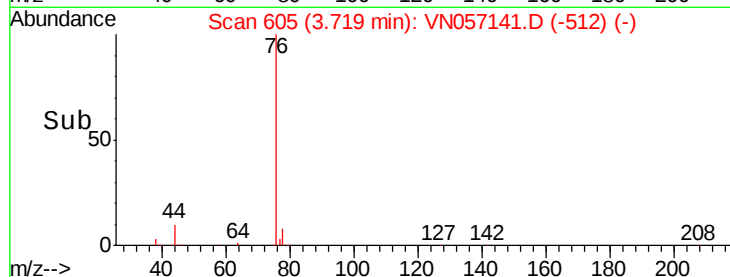
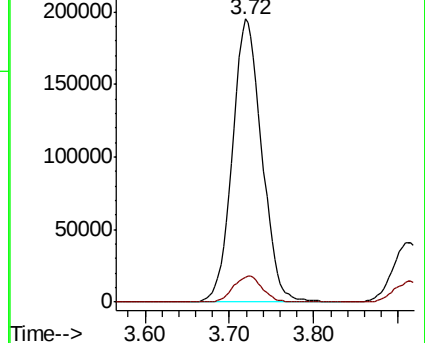
76 100

78 8.8 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 21.248 ug/l

RT: 3.89 min Scan# 659

Delta R.T. 0.00 min

Lab File: VN057141.D

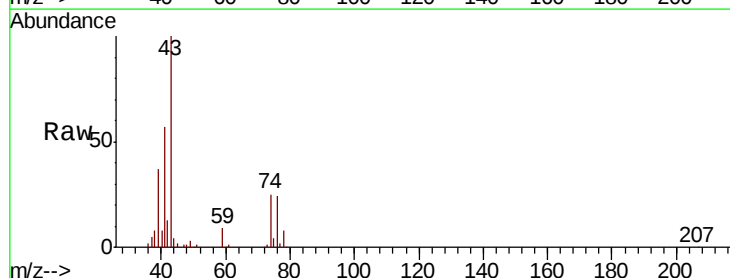
Acq: 9 Aug 2019 13:00

Tgt Ion: 43 Resp: 228711

Ion Ratio Lower Upper

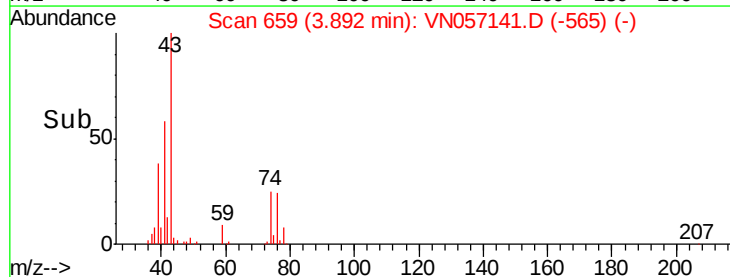
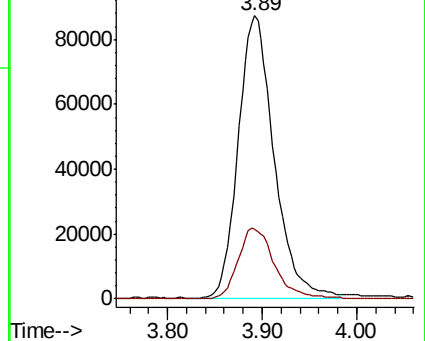
43 100

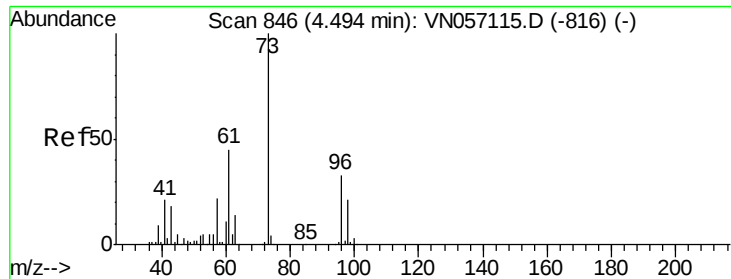
74 25.6 20.2 30.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

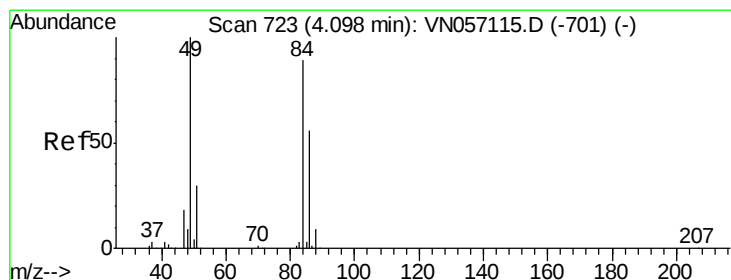
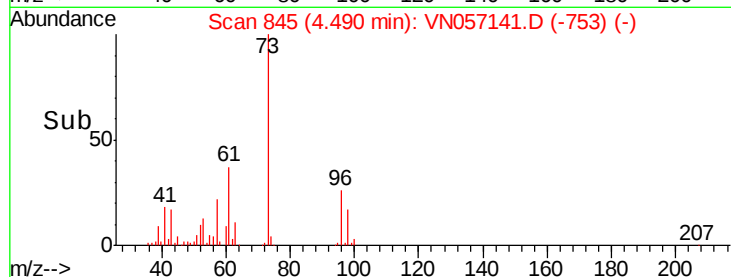
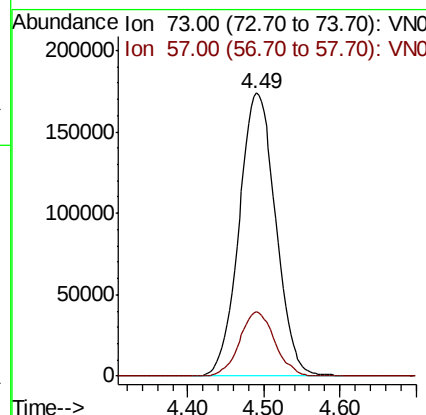
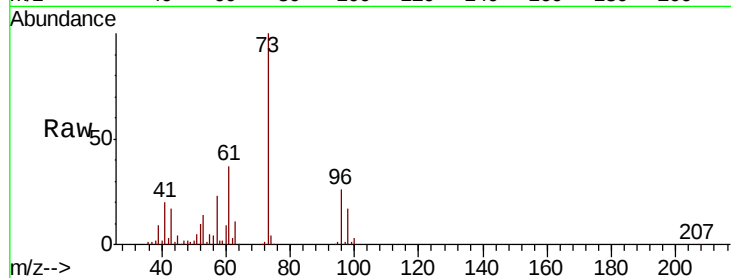




#19
Methyl tert-butyl Ether
Concen: 19.777 ug/l
RT: 4.49 min Scan# 845
Delta R.T. -0.00 min
Lab File: VN057141.D
Acq: 9 Aug 2019 13:00

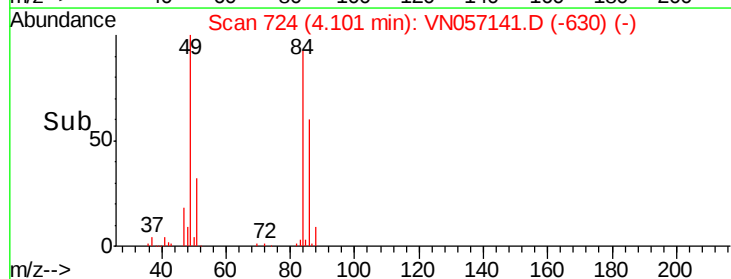
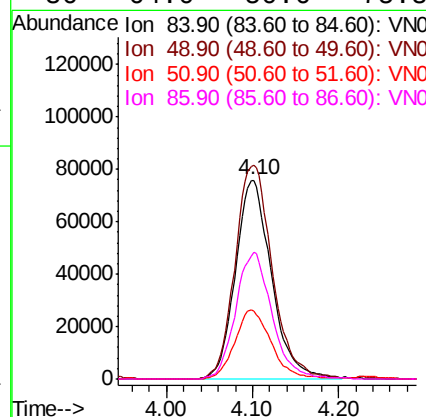
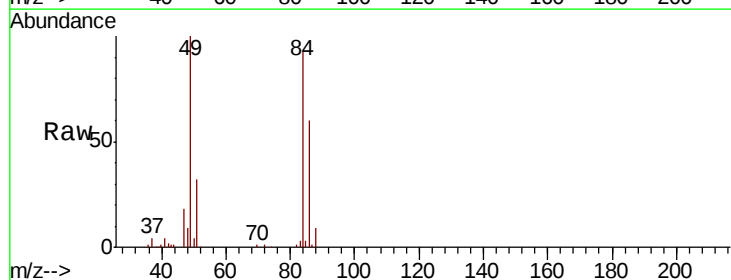
Instrument :
MSVOA_N
ClientSampleId :
VN0809WBS01

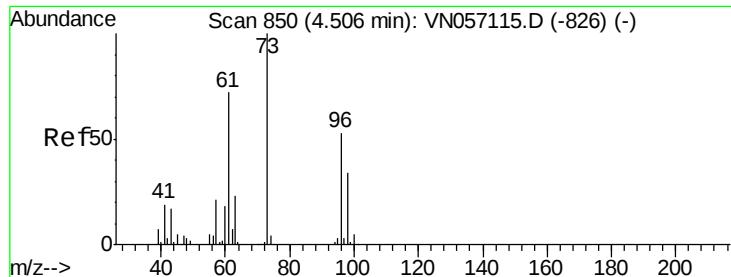
Tgt Ion: 73 Resp: 580632
Ion Ratio Lower Upper
73 100
57 22.8 18.0 27.0



#20
Methylene Chloride
Concen: 18.863 ug/l
RT: 4.10 min Scan# 724
Delta R.T. 0.00 min
Lab File: VN057141.D
Acq: 9 Aug 2019 13:00

Tgt Ion: 84 Resp: 220974
Ion Ratio Lower Upper
84 100
49 107.4 89.5 134.3
51 33.9 27.2 40.8
86 64.0 50.6 75.8





#21

trans-1,2-Dichloroethene

Concen: 18.793 ug/l

RT: 4.51 min Scan# 850

Delta R.T. -0.00 min

Lab File: VN057141.D

Acq: 9 Aug 2019 13:00

Instrument :

MSVOA_N

ClientSampleId :

VN0809WBS01

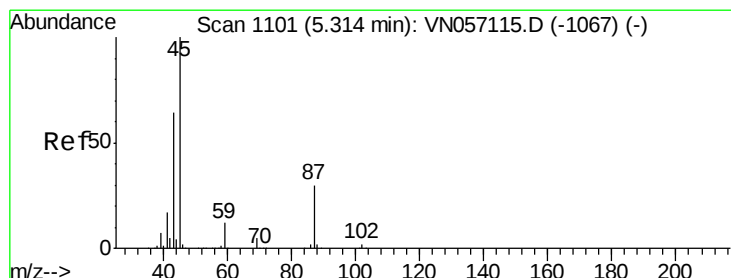
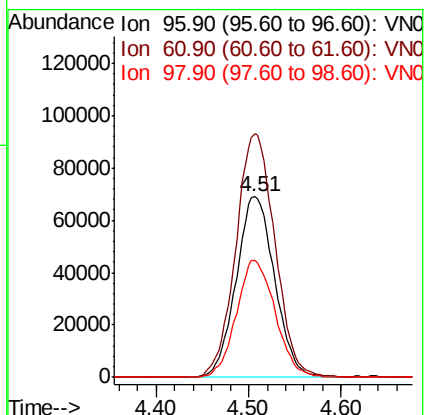
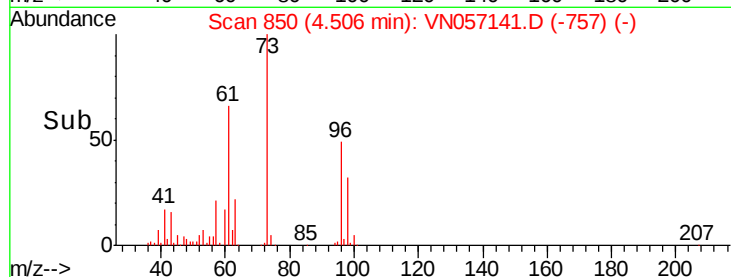
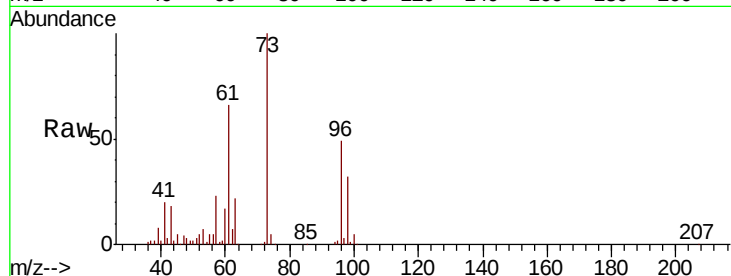
Tgt Ion: 96 Resp: 199092

Ion Ratio Lower Upper

96 100

61 134.9 108.1 162.1

98 64.8 50.5 75.7



#22

Diisopropyl ether

Concen: 19.613 ug/l

RT: 5.31 min Scan# 1101

Delta R.T. -0.00 min

Lab File: VN057141.D

Acq: 9 Aug 2019 13:00

Tgt Ion: 45 Resp: 604600

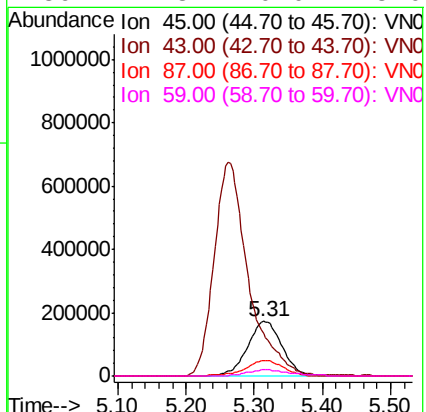
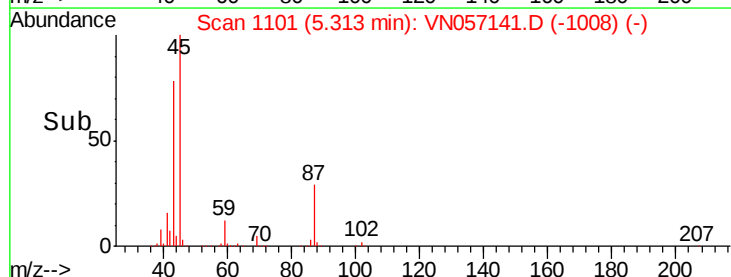
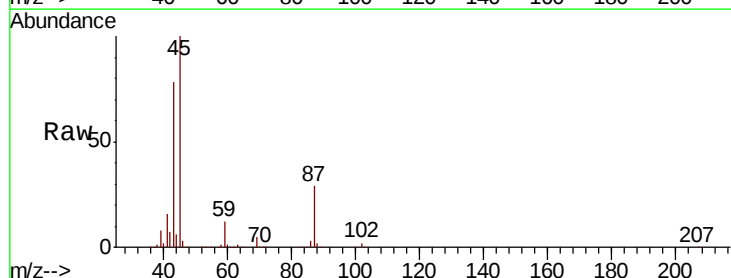
Ion Ratio Lower Upper

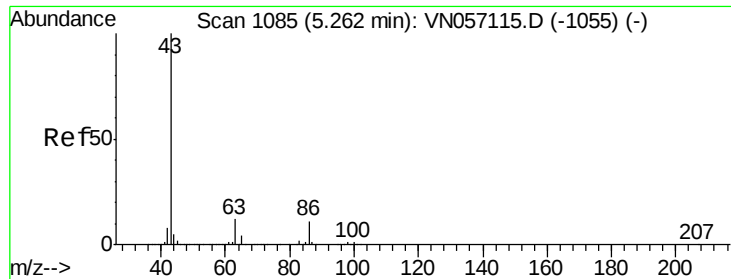
45 100

43 76.2 54.1 81.1

87 29.2 24.0 36.0

59 11.8 10.0 15.0

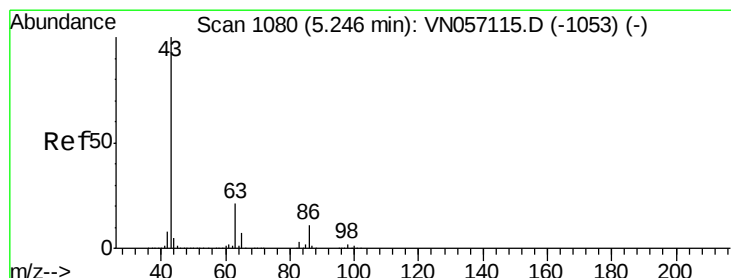
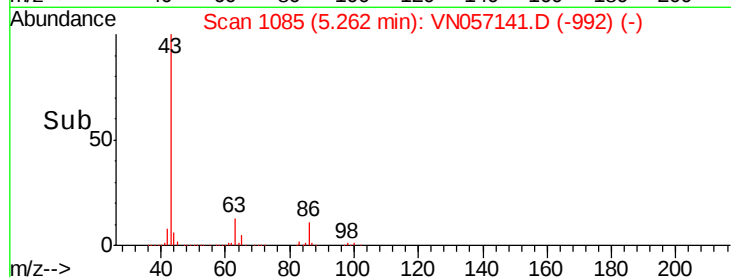
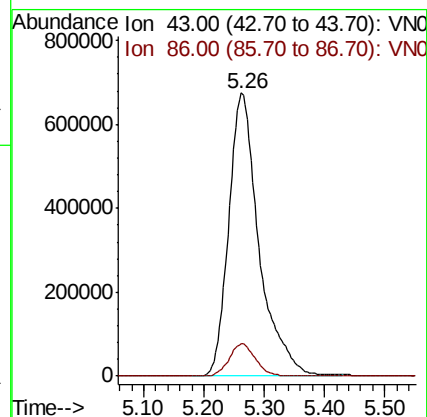
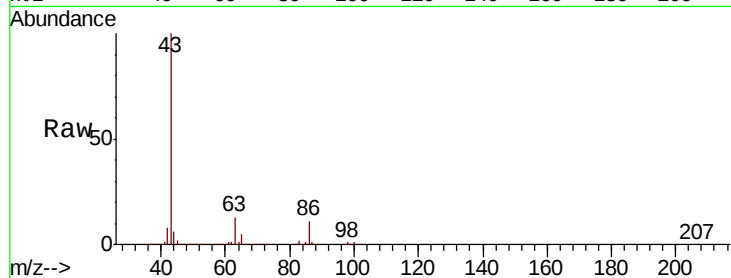




#23
 Vinyl Acetate
 Concen: 100.236 ug/l
 RT: 5.26 min Scan# 1085
 Delta R.T. -0.00 min
 Lab File: VN057141.D
 Acq: 9 Aug 2019 13:00

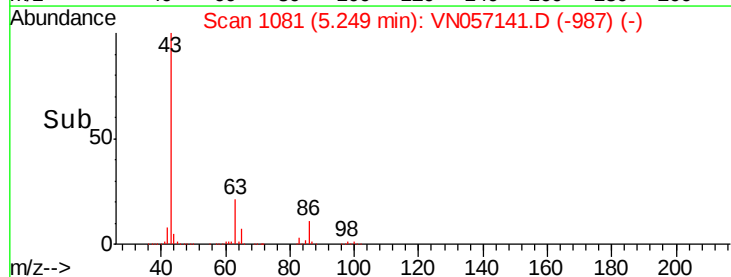
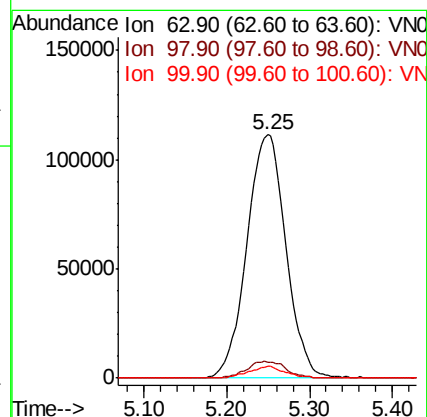
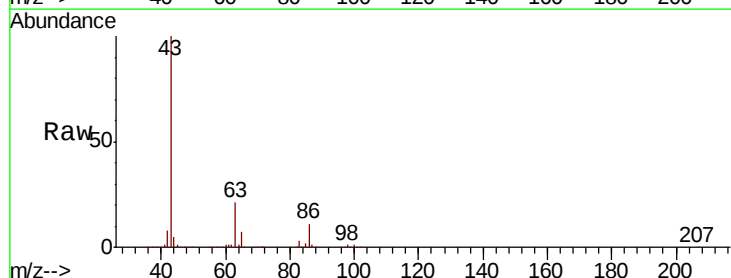
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0809WBS01

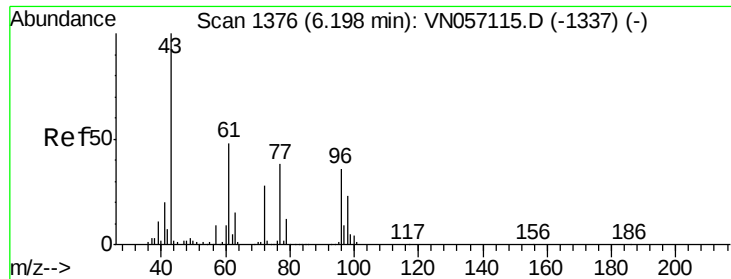
Tgt Ion: 43 Resp: 2366175
 Ion Ratio Lower Upper
 43 100
 86 11.3 9.2 13.8



#24
 1,1-Dichloroethane
 Concen: 19.233 ug/l
 RT: 5.25 min Scan# 1081
 Delta R.T. 0.00 min
 Lab File: VN057141.D
 Acq: 9 Aug 2019 13:00

Tgt Ion: 63 Resp: 364479
 Ion Ratio Lower Upper
 63 100
 98 6.6 3.8 11.2
 100 4.8 2.1 6.3

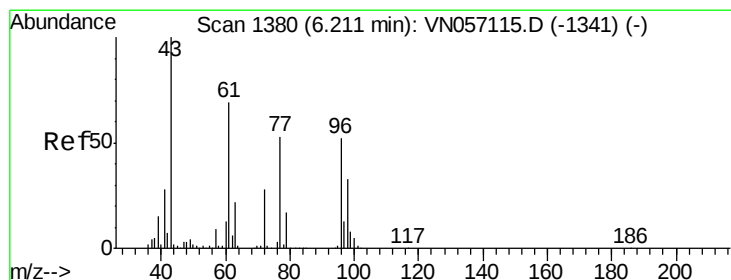
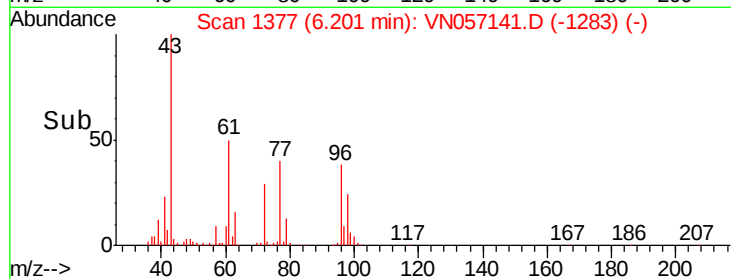
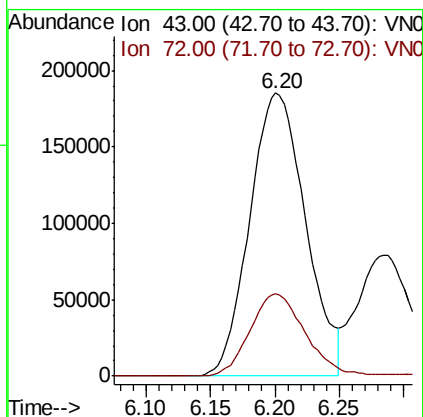
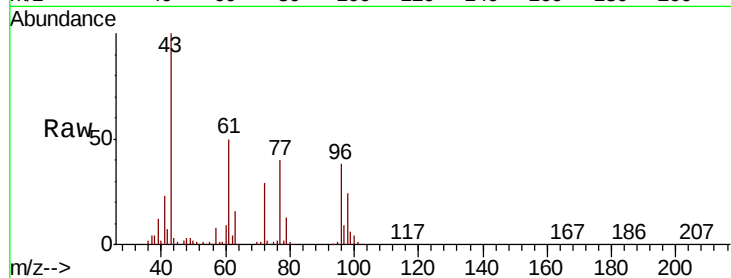




#25
2-Butanone
Concen: 102.562 ug/l
RT: 6.20 min Scan# 1377
Delta R.T. 0.00 min
Lab File: VN057141.D
Acq: 9 Aug 2019 13:00

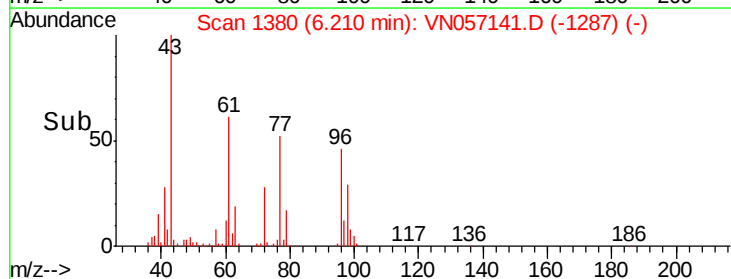
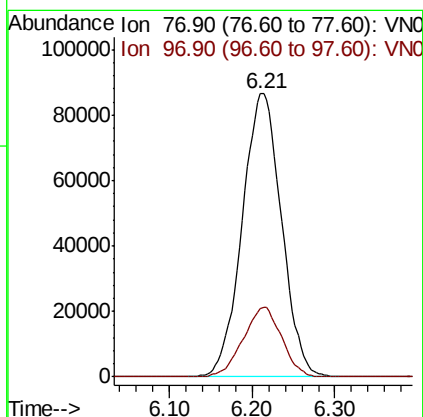
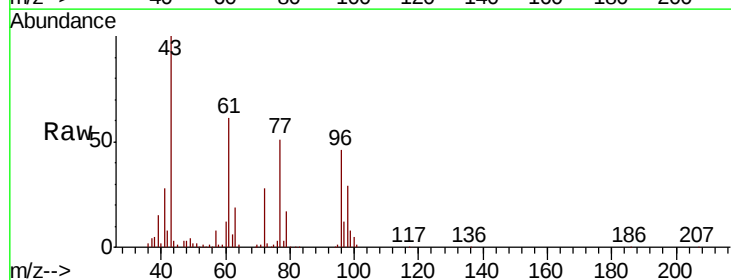
Instrument :
MSVOA_N
ClientSampleId :
VN0809WBS01

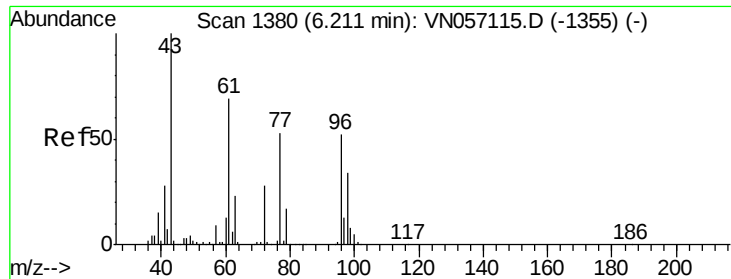
Tgt Ion: 43 Resp: 556230
Ion Ratio Lower Upper
43 100
72 29.1 22.2 33.4



#26
2,2-Dichloropropane
Concen: 20.706 ug/l
RT: 6.21 min Scan# 1380
Delta R.T. -0.00 min
Lab File: VN057141.D
Acq: 9 Aug 2019 13:00

Tgt Ion: 77 Resp: 285474
Ion Ratio Lower Upper
77 100
97 24.1 12.3 36.8





#27

cis-1,2-Dichloroethene

Concen: 19.305 ug/l

RT: 6.21 min Scan# 1379

Delta R.T. -0.00 min

Lab File: VN057141.D

Acq: 9 Aug 2019 13:00

Instrument :

MSVOA_N

ClientSampled :

VN0809WBS01

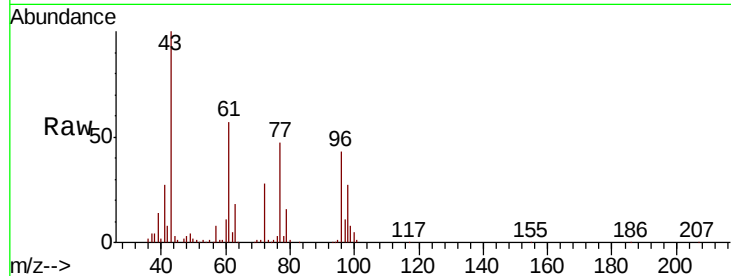
Tgt Ion: 96 Resp: 234295

Ion Ratio Lower Upper

96 100

61 136.9 0.0 273.4

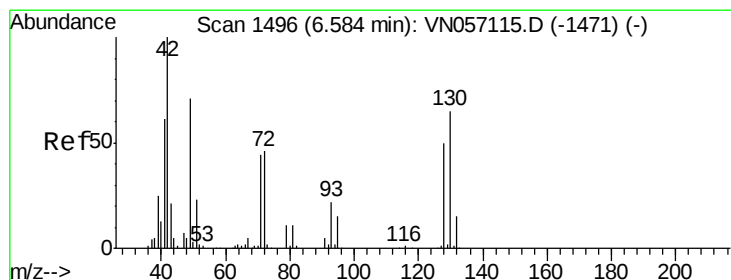
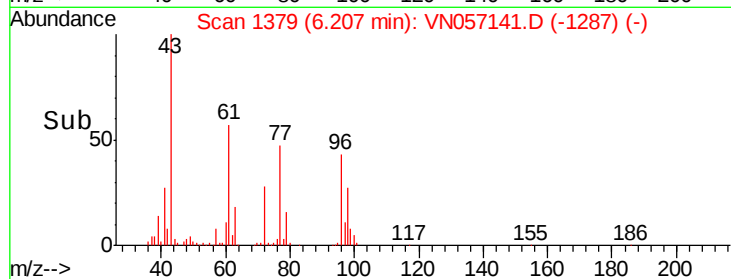
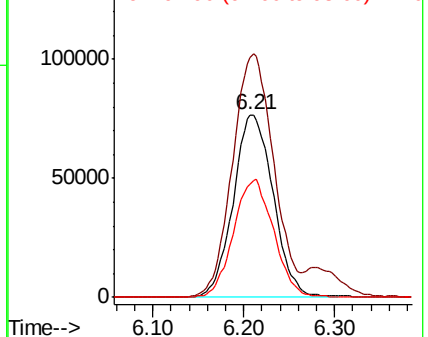
98 64.7 0.0 130.4



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 20.119 ug/l

RT: 6.58 min Scan# 1496

Delta R.T. -0.00 min

Lab File: VN057141.D

Acq: 9 Aug 2019 13:00

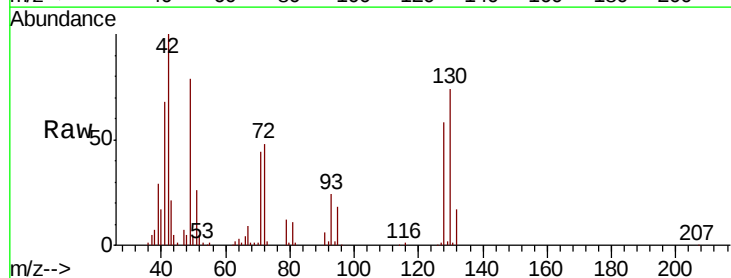
Tgt Ion: 49 Resp: 175366

Ion Ratio Lower Upper

49 100

129 2.5 0.0 4.8

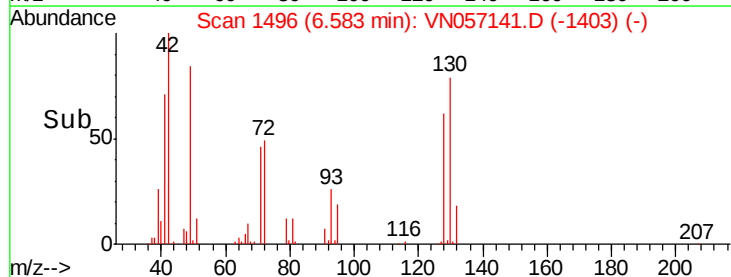
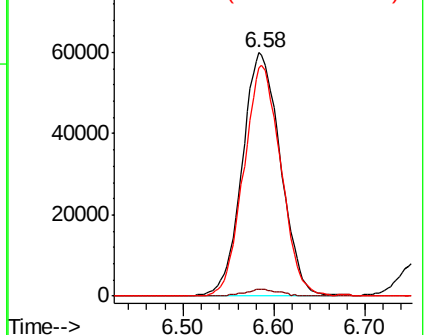
130 91.8 73.8 110.8

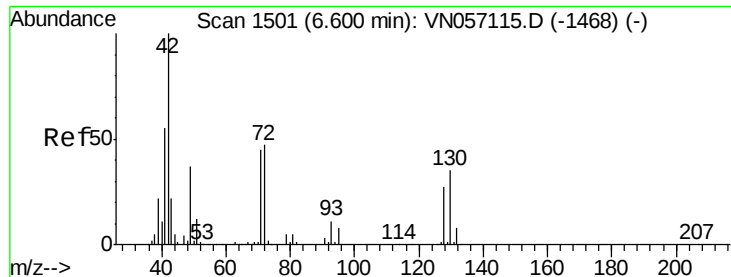


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 101.436 ug/l

RT: 6.60 min Scan# 1502

Delta R.T. 0.00 min

Lab File: VN057141.D

Acq: 9 Aug 2019 13:00

Instrument :

MSVOA_N

ClientSampleId :

VN0809WBS01

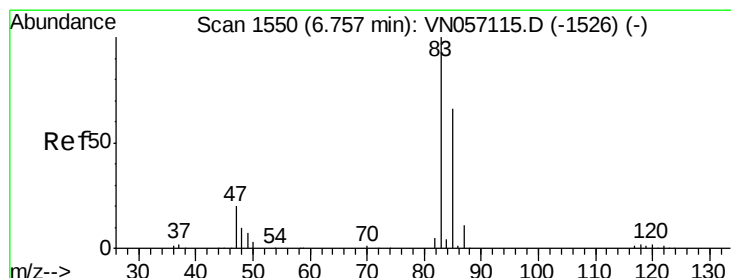
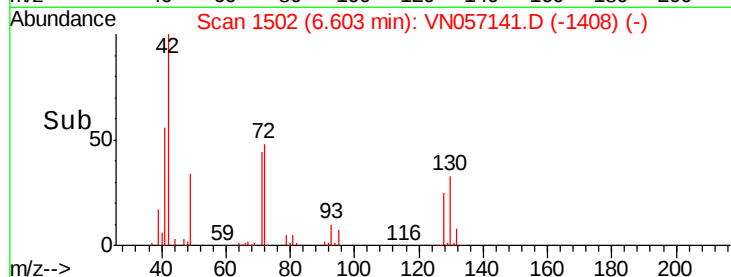
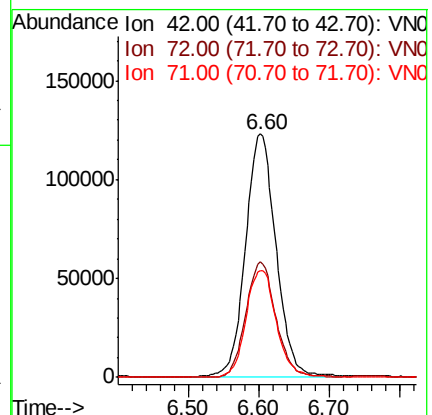
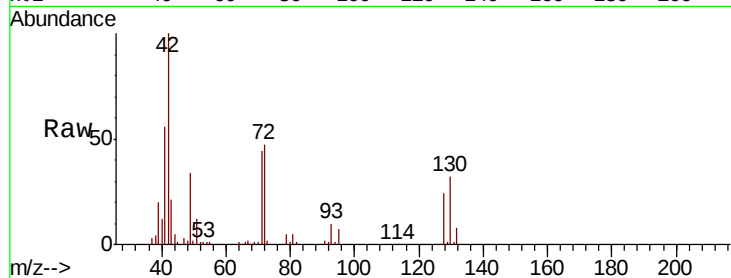
Tgt Ion: 42 Resp: 370586

Ion Ratio Lower Upper

42 100

72 46.9 37.1 55.7

71 43.7 34.8 52.2



#30

Chloroform

Concen: 19.074 ug/l

RT: 6.76 min Scan# 1550

Delta R.T. -0.00 min

Lab File: VN057141.D

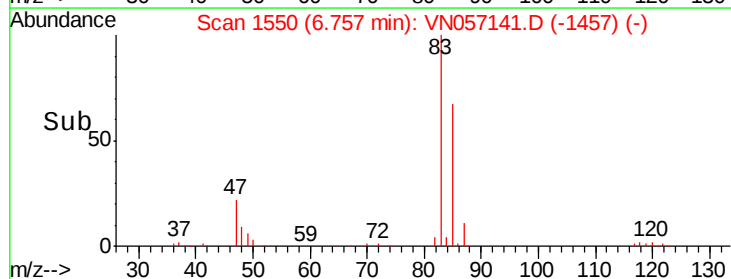
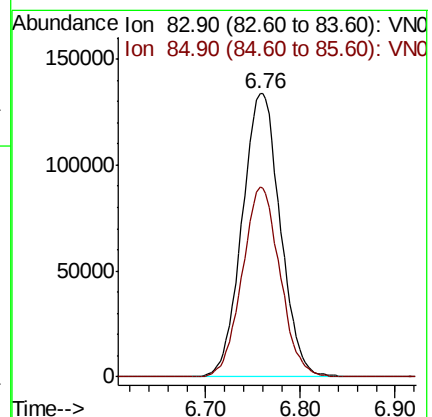
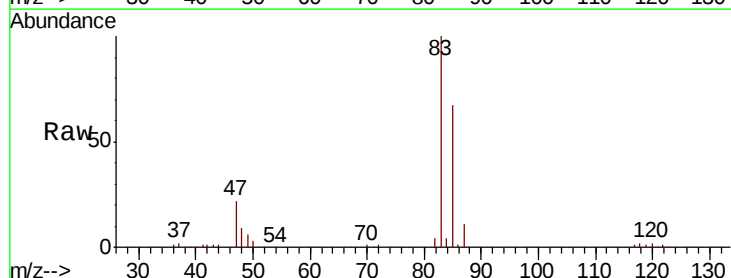
Acq: 9 Aug 2019 13:00

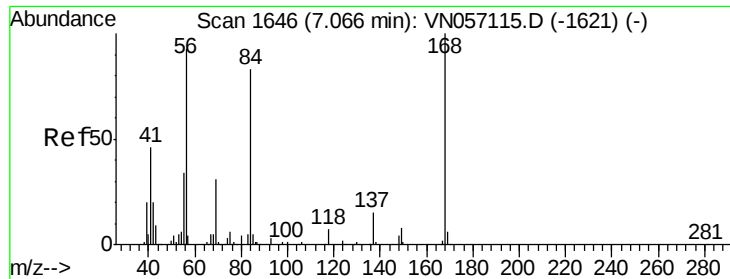
Tgt Ion: 83 Resp: 374106

Ion Ratio Lower Upper

83 100

85 67.0 52.6 78.8

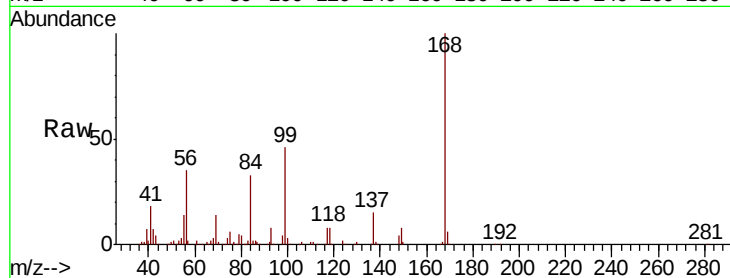




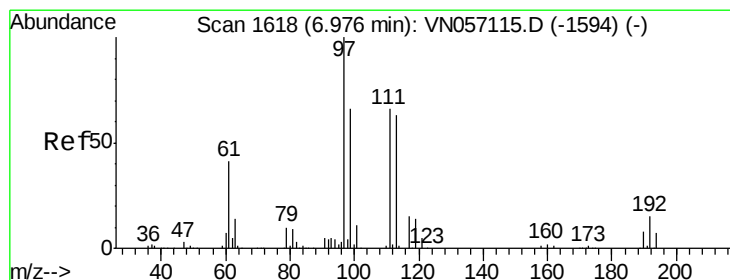
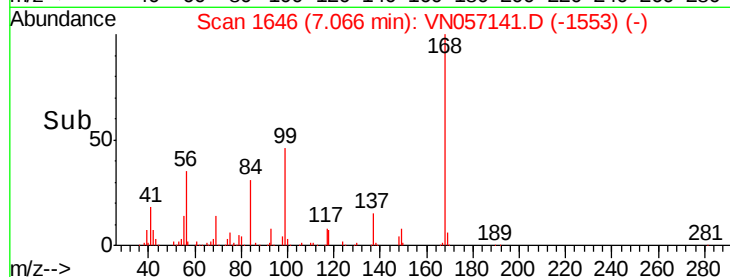
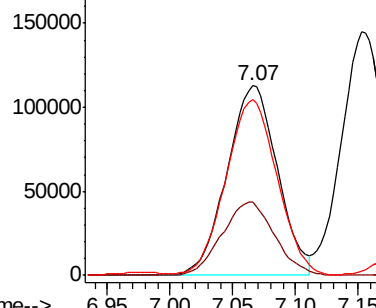
#31
Cyclohexane
Concen: 18.508 ug/l
RT: 7.07 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VN057141.D
Acq: 9 Aug 2019 13:00

Instrument :
MSVOA_N
ClientSampleId :
VN0809WBS01

Tgt Ion: 56 Resp: 315536
Ion Ratio Lower Upper
56 100
69 38.6 26.9 40.3
84 91.4 71.9 107.9

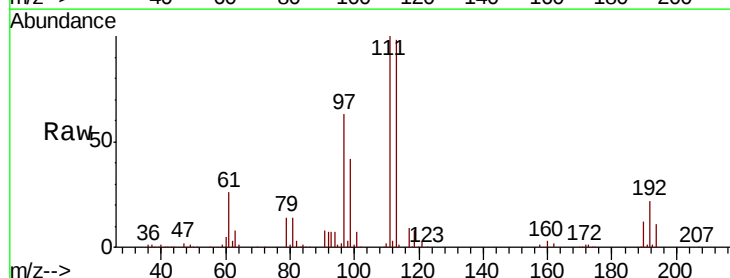


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

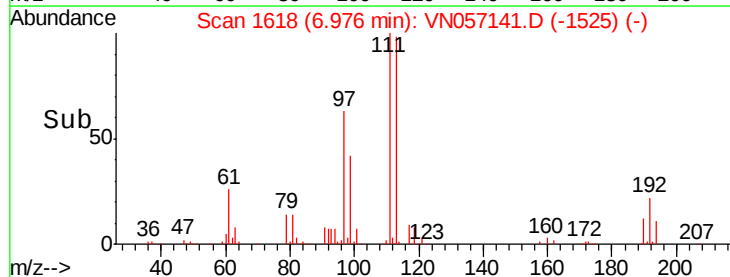
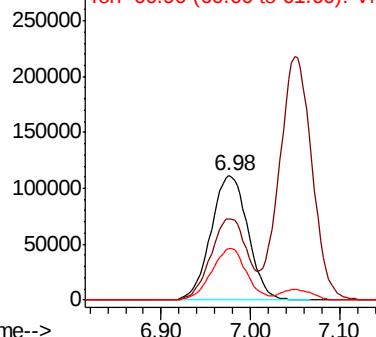


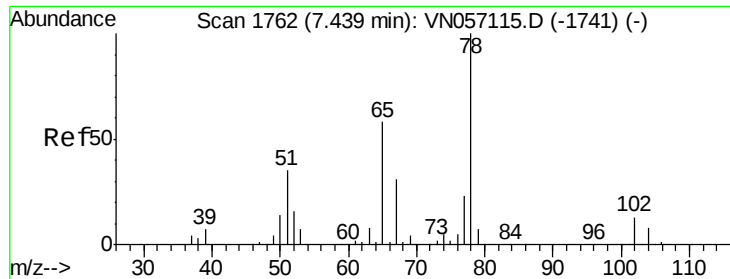
#32
1,1,1-Trichloroethane
Concen: 19.417 ug/l
RT: 6.98 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VN057141.D
Acq: 9 Aug 2019 13:00

Tgt Ion: 97 Resp: 319479
Ion Ratio Lower Upper
97 100
99 63.8 51.8 77.6
61 39.5 32.7 49.1



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0

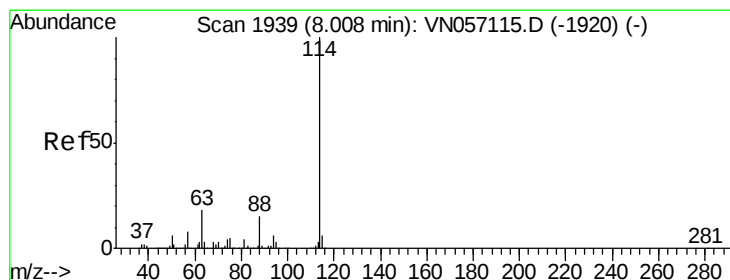
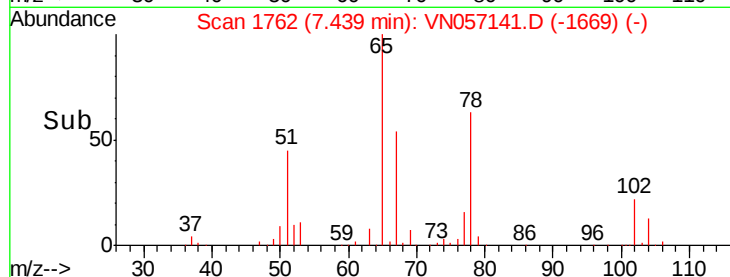
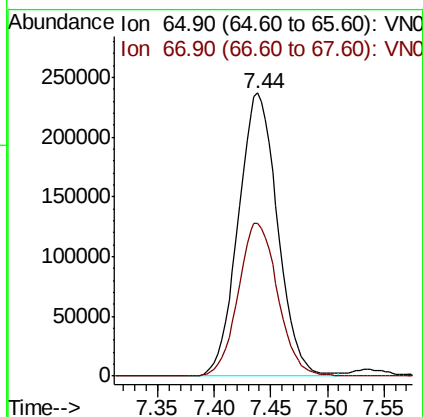
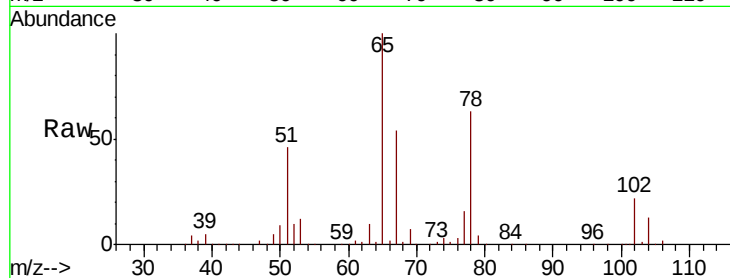




#33
 1,2-Dichloroethane-d4
 Concen: 48.758 ug/l
 RT: 7.44 min Scan# 1762
 Delta R.T. -0.00 min
 Lab File: VN057141.D
 Acq: 9 Aug 2019 13:00

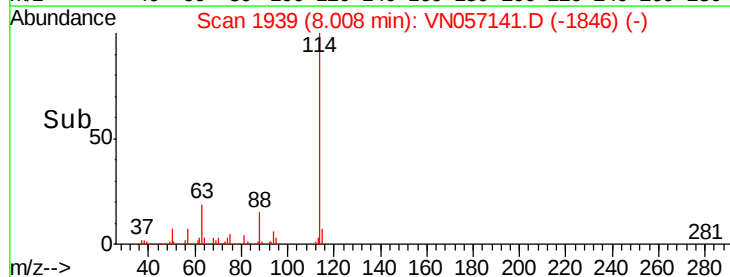
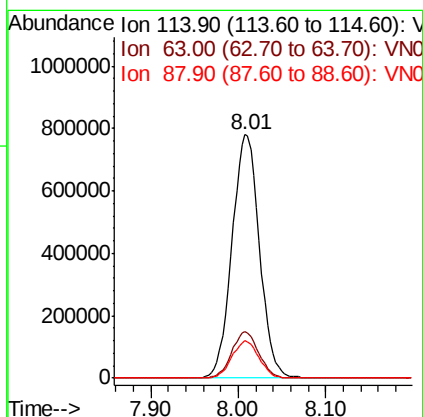
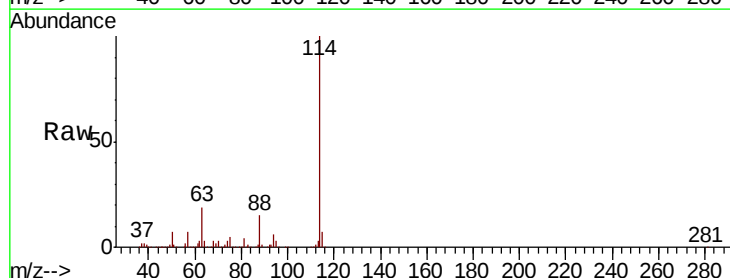
Instrument :
 MSVOA_N
 ClientSampled :
 VN0809WBS01

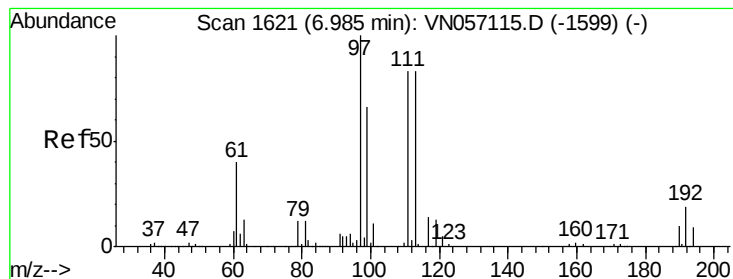
Tgt Ion: 65 Resp: 573092
 Ion Ratio Lower Upper
 65 100
 67 54.3 0.0 108.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. -0.00 min
 Lab File: VN057141.D
 Acq: 9 Aug 2019 13:00

Tgt Ion: 114 Resp: 1696346
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 36.2
 88 15.3 0.0 30.0





#35

Dibromofluoromethane

Concen: 48.432 ug/l

RT: 6.99 min Scan# 1621

Delta R.T. -0.00 min

Lab File: VN057141.D

Acq: 9 Aug 2019 13:00

Instrument :

MSVOA_N

ClientSampled :

VN0809WBS01

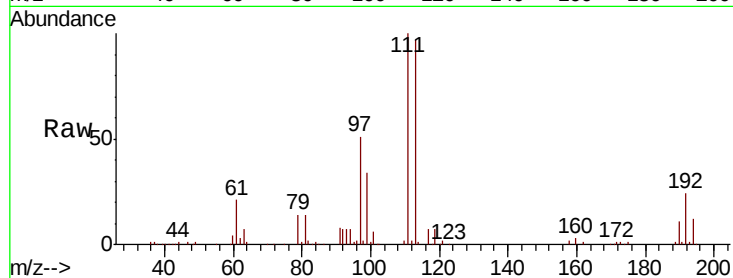
Tgt Ion:113 Resp: 515547

Ion Ratio Lower Upper

113 100

111 103.1 81.3 121.9

192 23.7 19.0 28.4

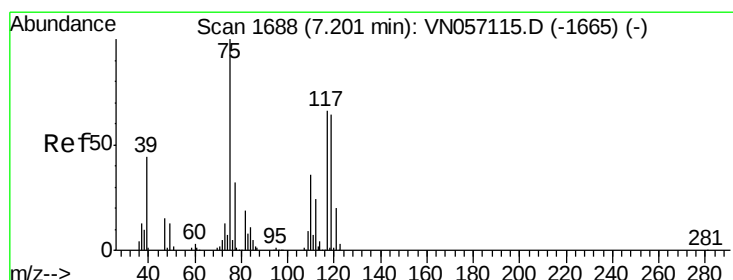
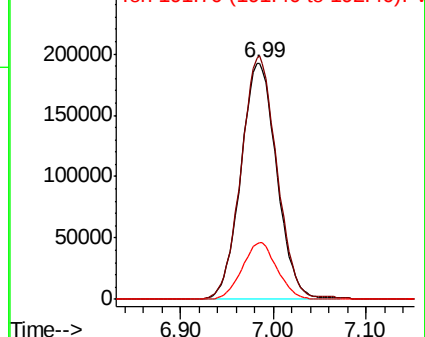
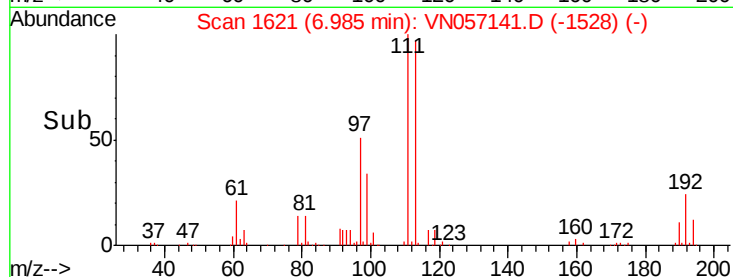


Abundance

Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 19.711 ug/l

RT: 7.20 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VN057141.D

Acq: 9 Aug 2019 13:00

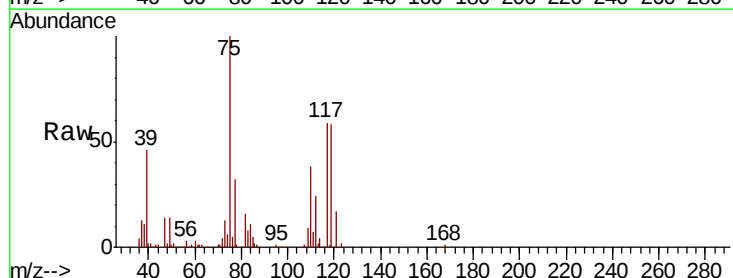
Tgt Ion: 75 Resp: 275303

Ion Ratio Lower Upper

75 100

110 37.6 18.7 56.1

77 31.7 25.0 37.4

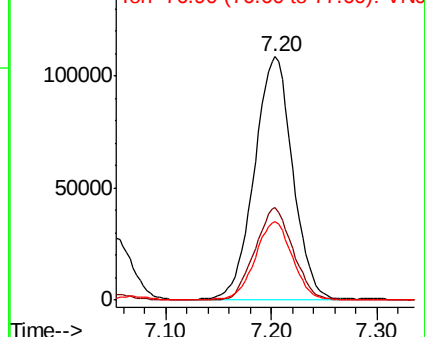
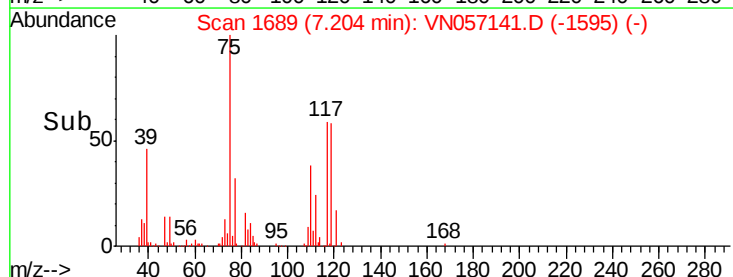


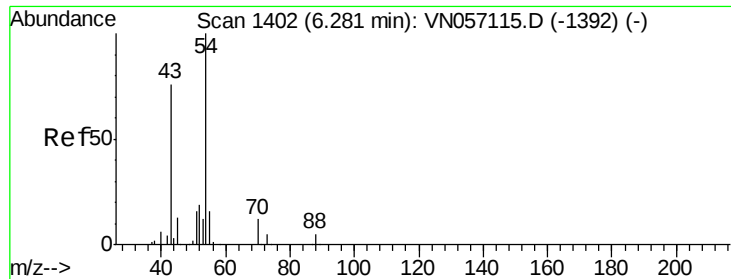
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

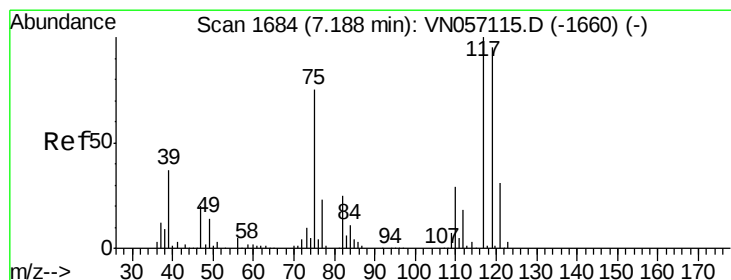
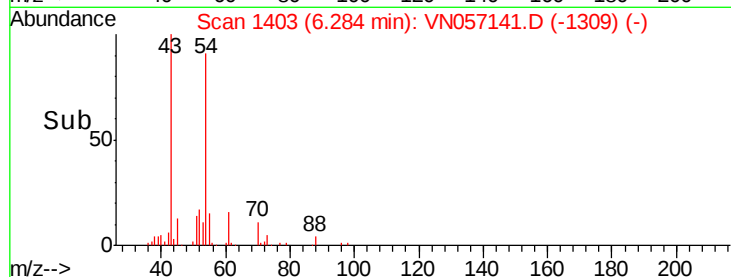
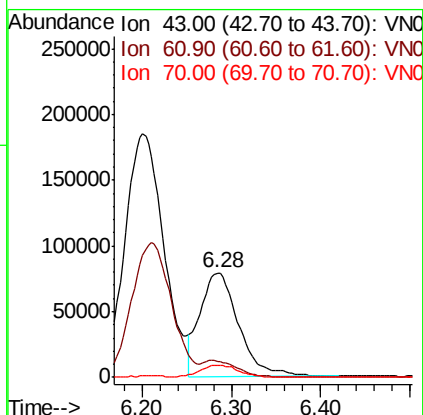
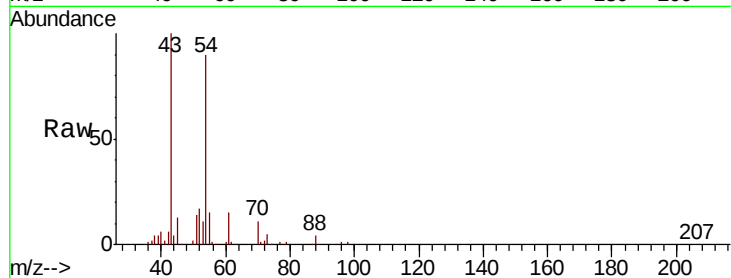




#37
Ethyl Acetate
Concen: 20.559 ug/l
RT: 6.28 min Scan# 1403
Delta R.T. 0.00 min
Lab File: VN057141.D
Acq: 9 Aug 2019 13:00

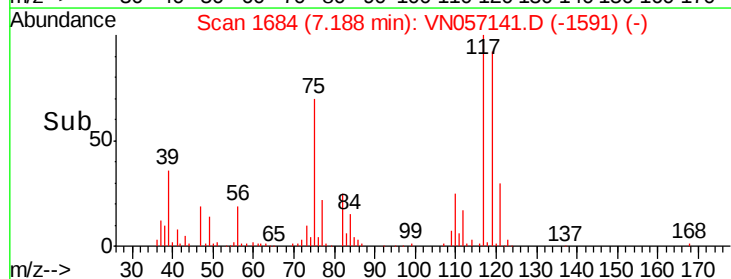
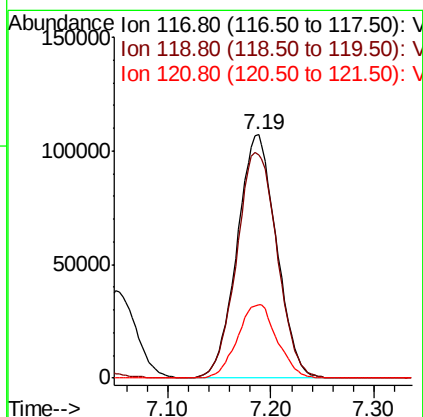
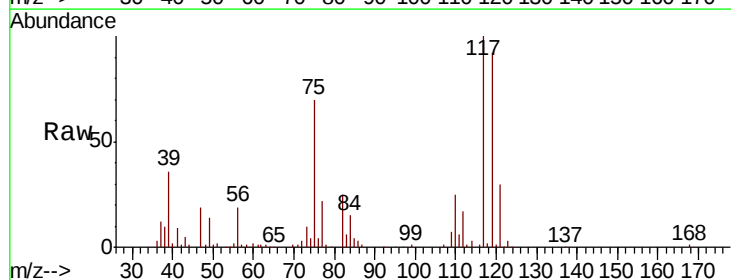
Instrument :
MSVOA_N
ClientSampled :
VN0809WBS01

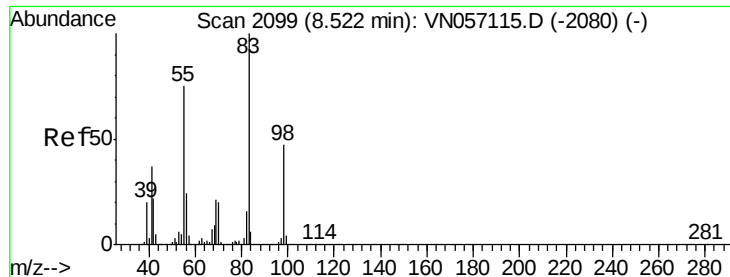
Tgt Ion: 43 Resp: 236794
Ion Ratio Lower Upper
43 100
61 0.0 0.0 0.0
70 11.3 9.1 13.7



#38
Carbon Tetrachloride
Concen: 19.561 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VN057141.D
Acq: 9 Aug 2019 13:00

Tgt Ion: 117 Resp: 284722
Ion Ratio Lower Upper
117 100
119 91.8 75.8 113.6
121 30.4 24.4 36.6

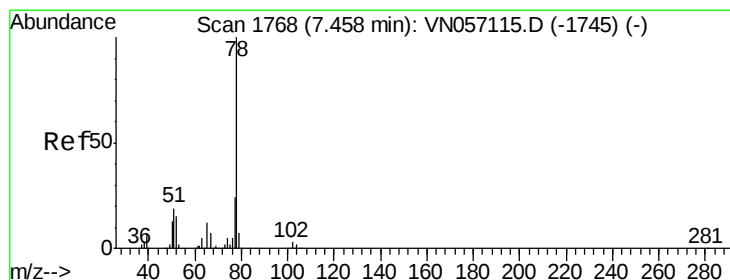
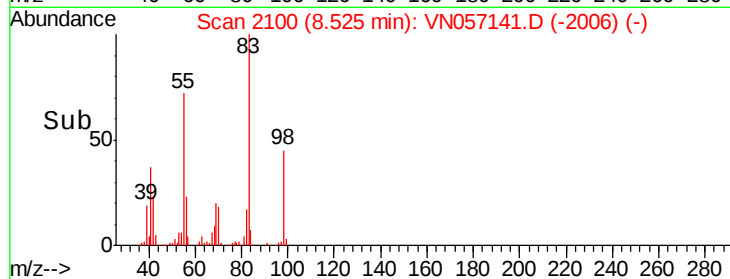
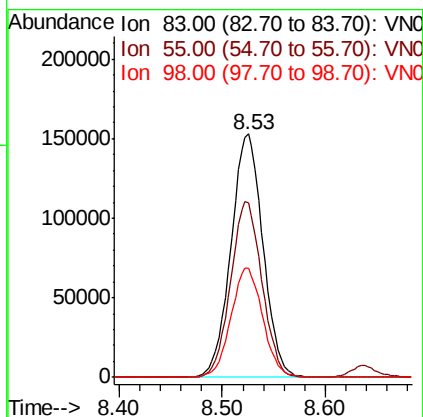
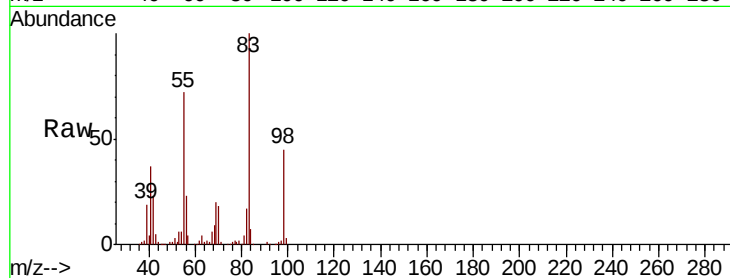




#39
Methylcyclohexane
Concen: 19.423 ug/l
RT: 8.53 min Scan# 2100
Delta R.T. 0.00 min
Lab File: VN057141.D
Acq: 9 Aug 2019 13:00

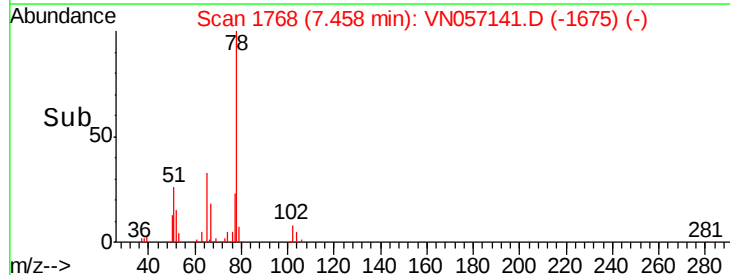
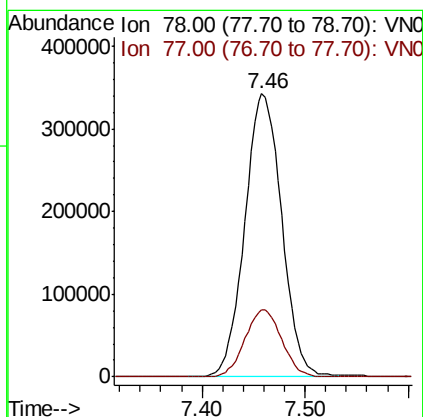
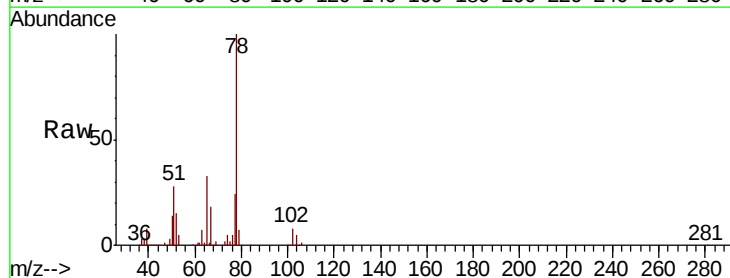
Instrument :
MSVOA_N
ClientSampleId :
VN0809WBS01

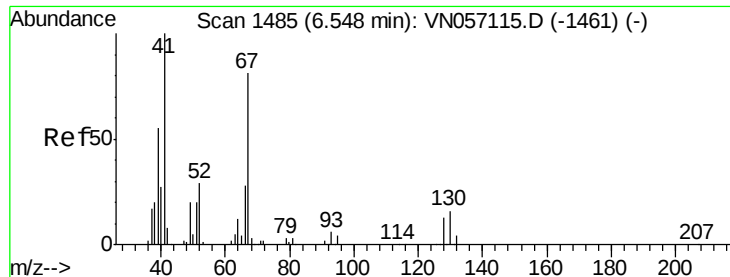
Tgt Ion: 83 Resp: 329902
Ion Ratio Lower Upper
83 100
55 71.8 60.3 90.5
98 44.7 37.9 56.9



#40
Benzene
Concen: 19.233 ug/l
RT: 7.46 min Scan# 1768
Delta R.T. -0.00 min
Lab File: VN057141.D
Acq: 9 Aug 2019 13:00

Tgt Ion: 78 Resp: 850384
Ion Ratio Lower Upper
78 100
77 23.8 19.2 28.8

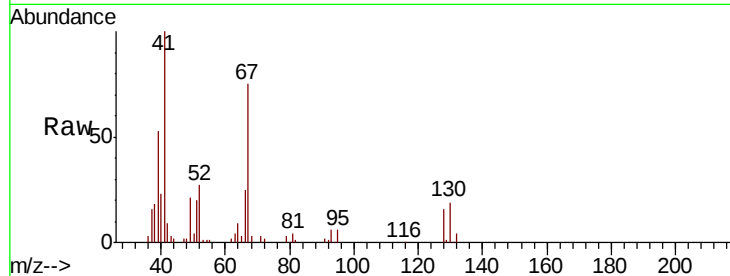




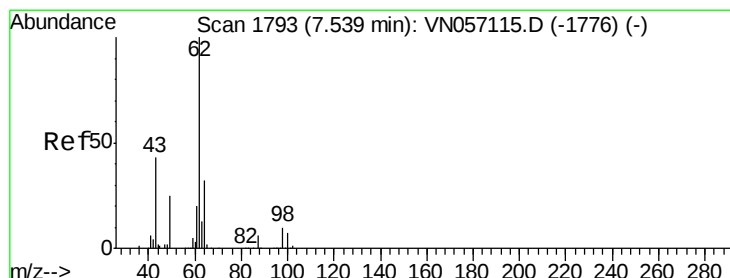
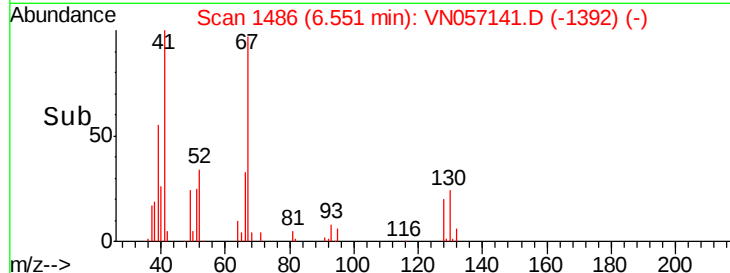
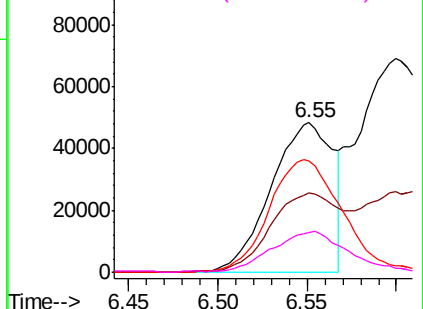
#41
Methacrylonitrile
Concen: 19.905 ug/l
RT: 6.55 min Scan# 1486
Delta R.T. 0.00 min
Lab File: VN057141.D
Acq: 9 Aug 2019 13:00

Instrument :
MSVOA_N
ClientSampled :
VN0809WBS01

Tgt Ion:	41	Resp:	116410
Ion	Ratio	Lower	Upper
41	100		
39	60.5	44.9	67.3
67	88.8	69.1	103.7
52	32.4	25.8	38.6

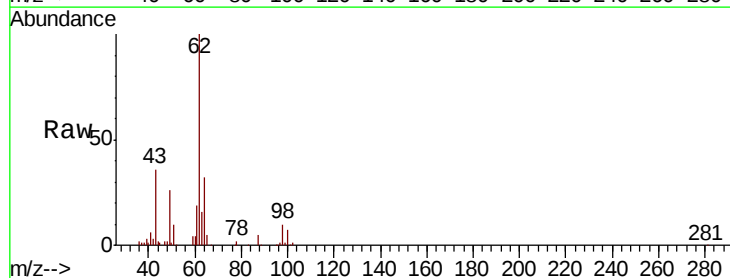


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

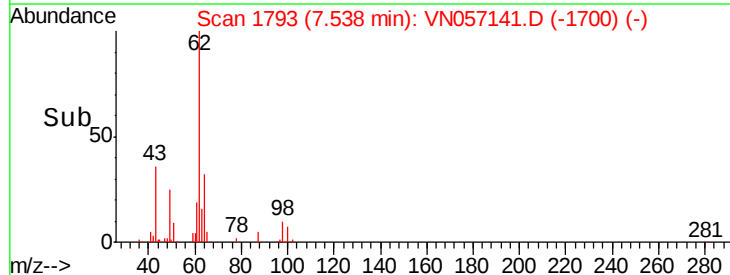
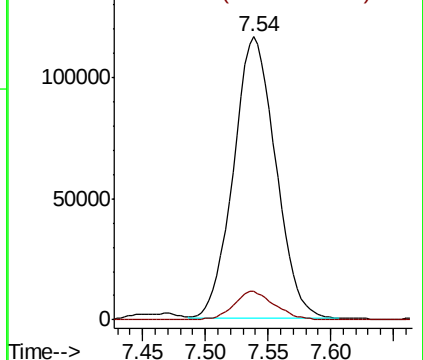


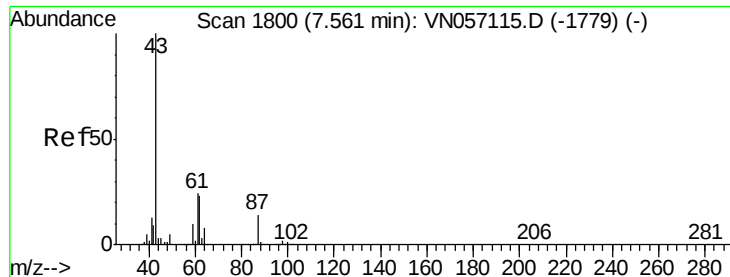
#42
1,2-Dichloroethane
Concen: 19.279 ug/l
RT: 7.54 min Scan# 1793
Delta R.T. -0.00 min
Lab File: VN057141.D
Acq: 9 Aug 2019 13:00

Tgt Ion:	62	Resp:	271860
Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	19.4



Abundance Ion 61.90 (61.60 to 62.60): VNO
Ion 97.90 (97.60 to 98.60): VNO





#43

Isopropyl Acetate

Concen: 20.118 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. 0.00 min

Lab File: VN057141.D

Acq: 9 Aug 2019 13:00

Instrument :

MSVOA_N

ClientSampleId :

VN0809WBS01

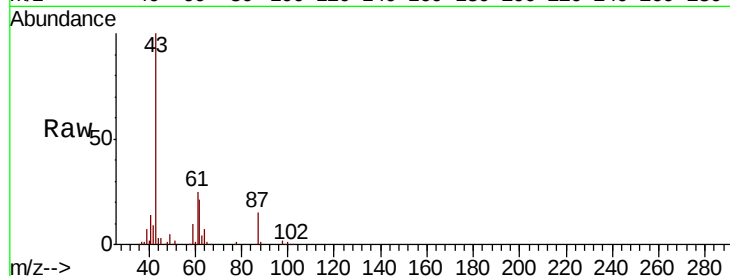
Tgt Ion: 43 Resp: 395283

Ion Ratio Lower Upper

43 100

61 28.8 24.2 36.2

87 14.4 11.8 17.8

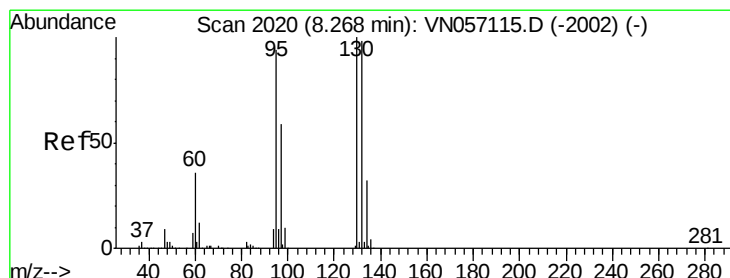
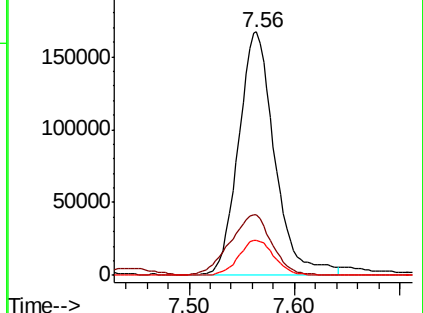
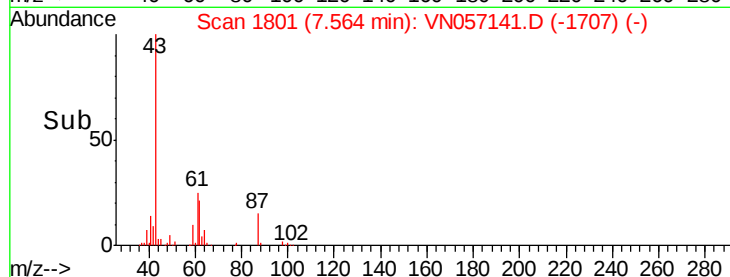


Abundance Ion 43.00 (42.70 to 43.70): VN057115.D (-1779) (-)

Ion 61.00 (60.70 to 61.70): VN057115.D (-1779) (-)

Ion 87.00 (86.70 to 87.70): VN057115.D (-1779) (-)

Time-->



#44

Trichloroethene

Concen: 19.568 ug/l

RT: 8.27 min Scan# 2020

Delta R.T. -0.00 min

Lab File: VN057141.D

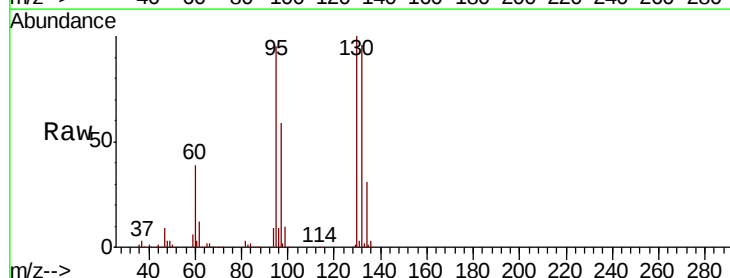
Acq: 9 Aug 2019 13:00

Tgt Ion: 130 Resp: 242396

Ion Ratio Lower Upper

130 100

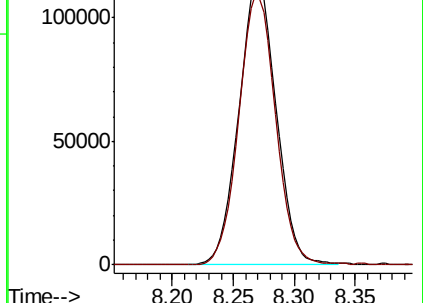
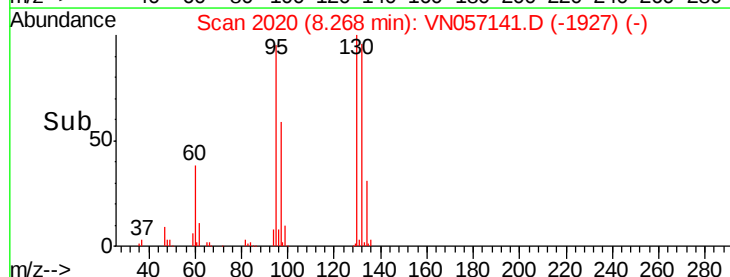
95 95.3 0.0 187.4

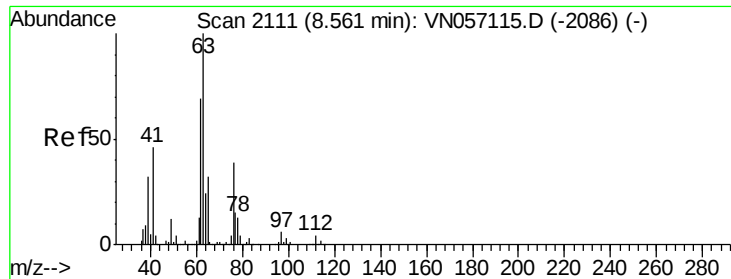


Abundance Ion 129.80 (129.50 to 130.50): VN057115.D (-2002) (-)

Ion 94.90 (94.60 to 95.60): VN057115.D (-2002) (-)

Time-->





#45

1,2-Dichloropropane

Concen: 19.329 ug/l

RT: 8.56 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VN057141.D

Acq: 9 Aug 2019 13:00

Instrument :

MSVOA_N

ClientSampleId :

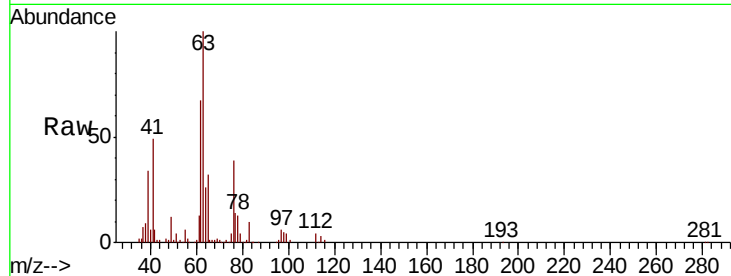
VN0809WBS01

Tgt Ion: 63 Resp: 221290

Ion Ratio Lower Upper

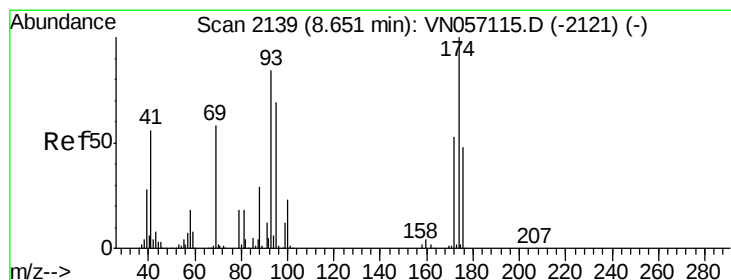
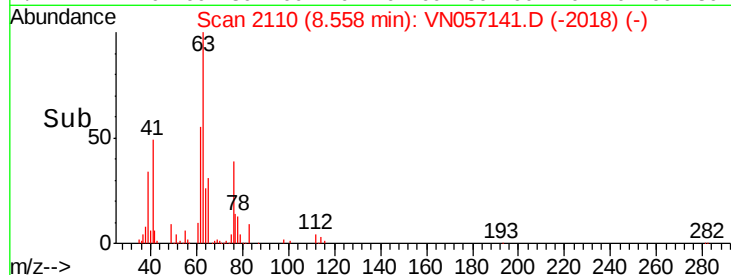
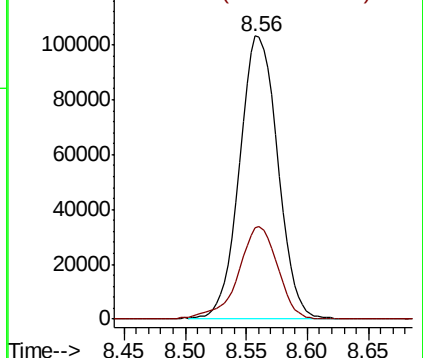
63 100

65 32.2 25.2 37.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 20.080 ug/l

RT: 8.65 min Scan# 2140

Delta R.T. 0.00 min

Lab File: VN057141.D

Acq: 9 Aug 2019 13:00

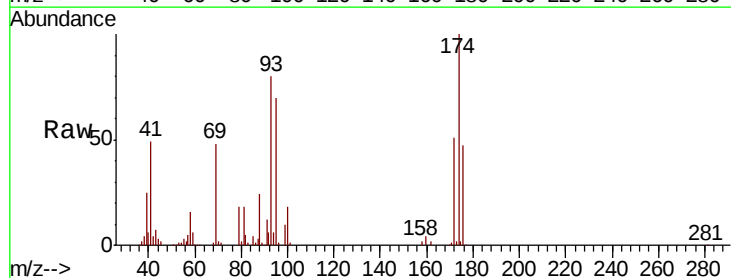
Tgt Ion: 93 Resp: 147401

Ion Ratio Lower Upper

93 100

95 83.4 66.0 99.0

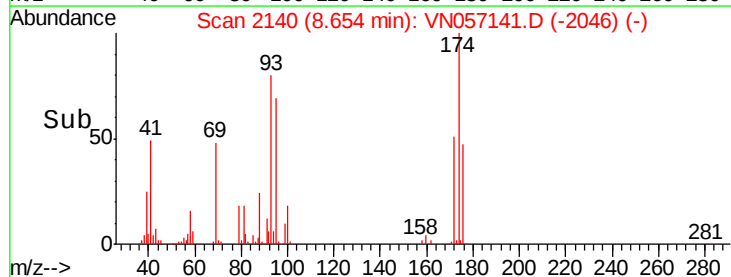
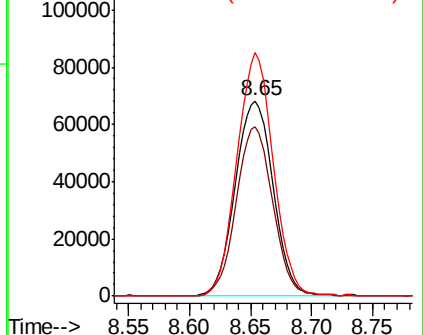
174 119.2 96.0 144.0

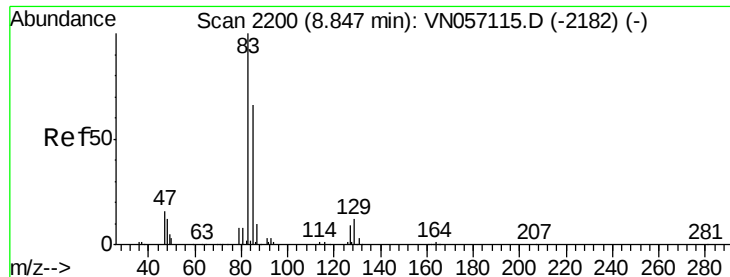


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 19.984 ug/l

RT: 8.85 min Scan# 2201

Delta R.T. 0.00 min

Lab File: VN057141.D

Acq: 9 Aug 2019 13:00

Instrument :

MSVOA_N

ClientSampleId :

VN0809WBS01

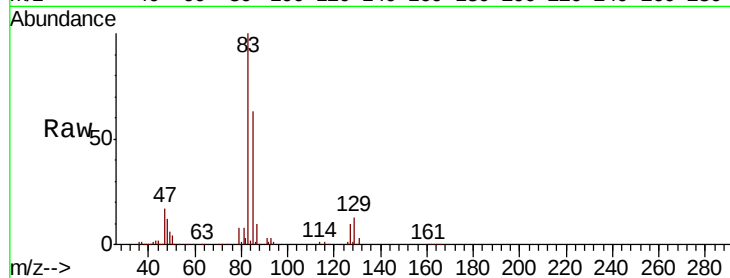
Tgt Ion: 83 Resp: 283841

Ion Ratio Lower Upper

83 100

85 62.8 52.6 78.8

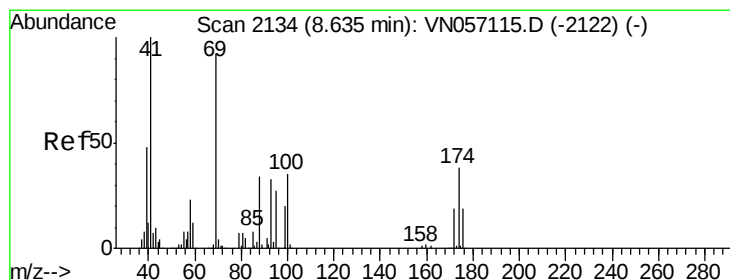
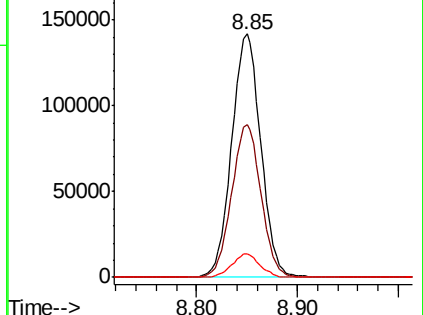
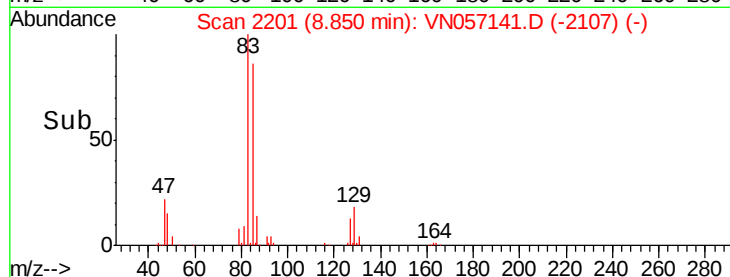
127 9.8 7.5 11.3



Abundance Ion 82.90 (82.60 to 83.60): VNC

Ion 84.90 (84.60 to 85.60): VNC

Ion 126.80 (126.50 to 127.50): VNC



#48

Methyl methacrylate

Concen: 19.145 ug/l

RT: 8.64 min Scan# 2135

Delta R.T. 0.00 min

Lab File: VN057141.D

Acq: 9 Aug 2019 13:00

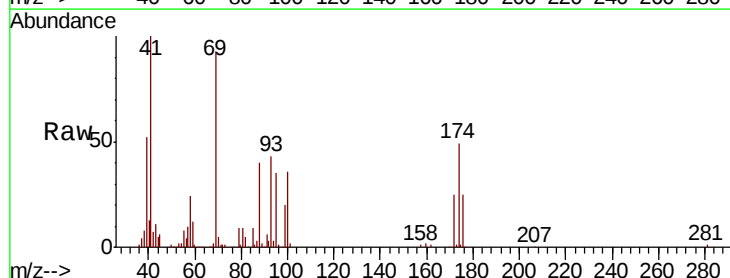
Tgt Ion: 41 Resp: 177376

Ion Ratio Lower Upper

41 100

69 98.6 77.5 116.3

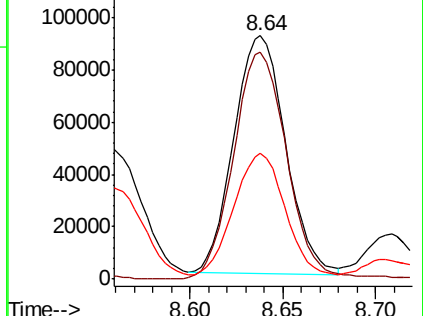
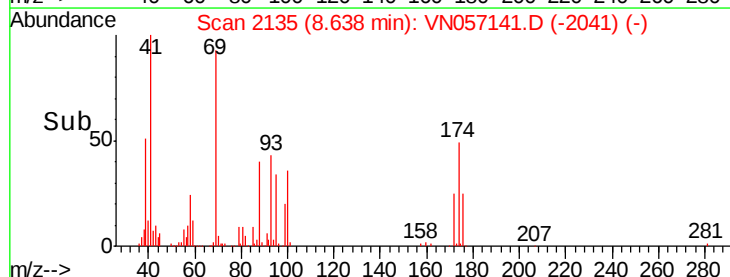
39 50.4 39.8 59.6

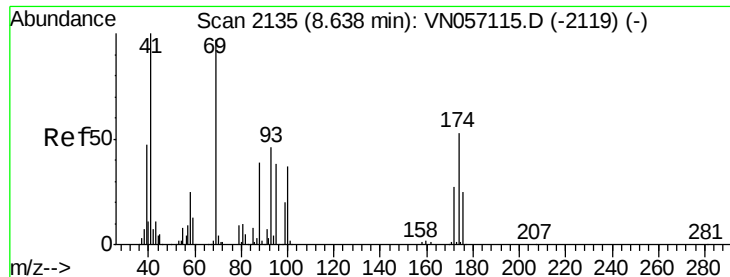


Abundance Ion 41.00 (40.70 to 41.70): VNC

Ion 69.00 (68.70 to 69.70): VNC

Ion 39.00 (38.70 to 39.70): VNC

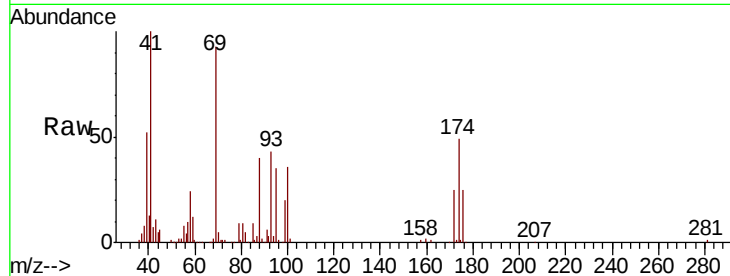




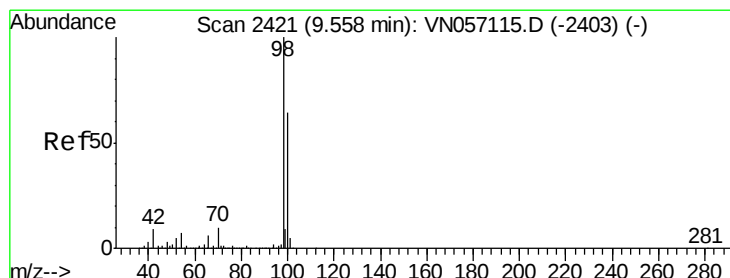
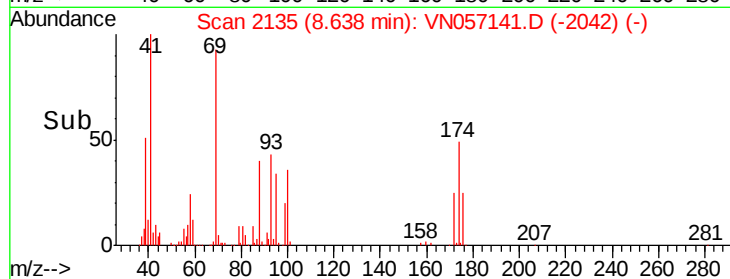
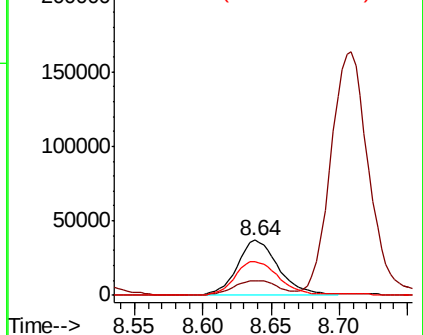
#49
1,4-Dioxane
Concen: 413.139 ug/l
RT: 8.64 min Scan# 2135
Delta R.T. -0.00 min
Lab File: VN057141.D
Acq: 9 Aug 2019 13:00

Instrument :
MSVOA_N
ClientSampleId :
VN0809WBS01

Tgt Ion: 88 Resp: 77958
Ion Ratio Lower Upper
88 100
43 27.9 21.7 32.5
58 65.1 51.1 76.7

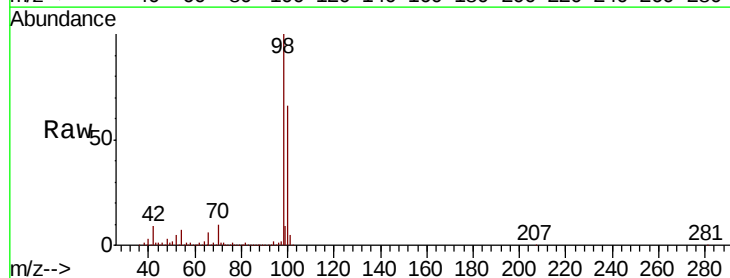


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

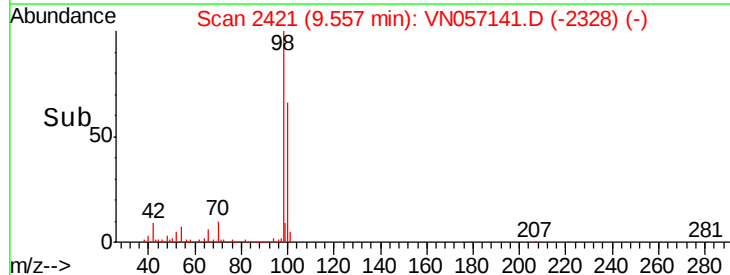
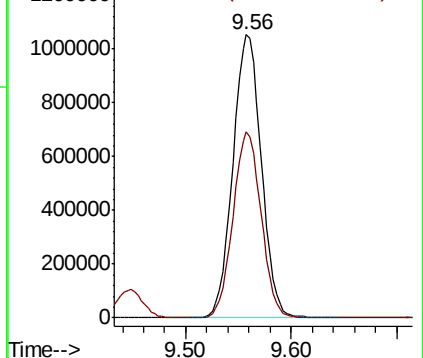


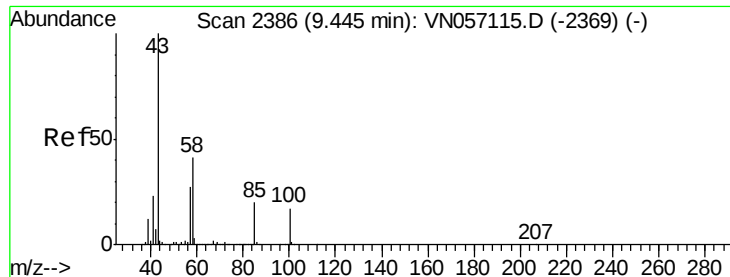
#50
Toluene-d8
Concen: 48.293 ug/l
RT: 9.56 min Scan# 2421
Delta R.T. -0.00 min
Lab File: VN057141.D
Acq: 9 Aug 2019 13:00

Tgt Ion: 98 Resp: 1966739
Ion Ratio Lower Upper
98 100
100 65.1 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0

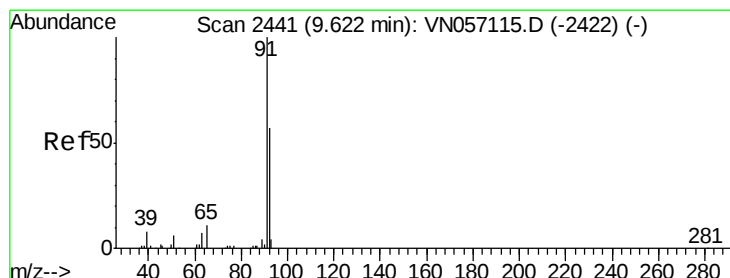
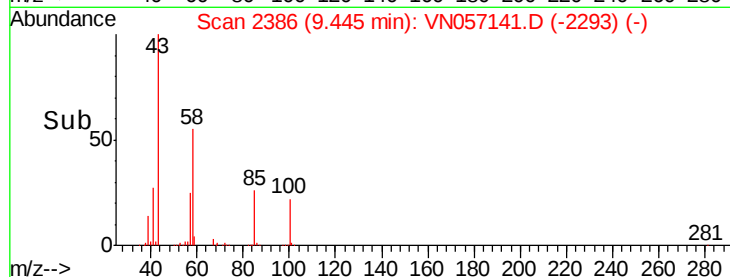
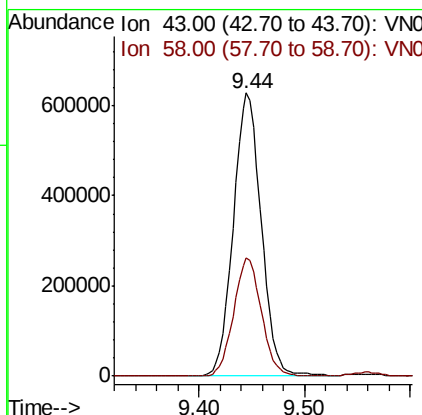
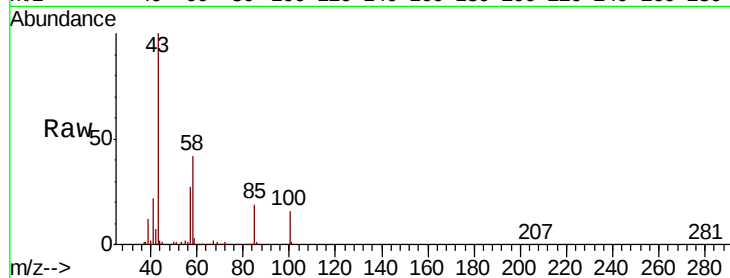




#51
 4-Methyl-2-Pentanone
 Concen: 100.324 ug/l
 RT: 9.44 min Scan# 2386
 Delta R.T. -0.00 min
 Lab File: VN057141.D
 Acq: 9 Aug 2019 13:00

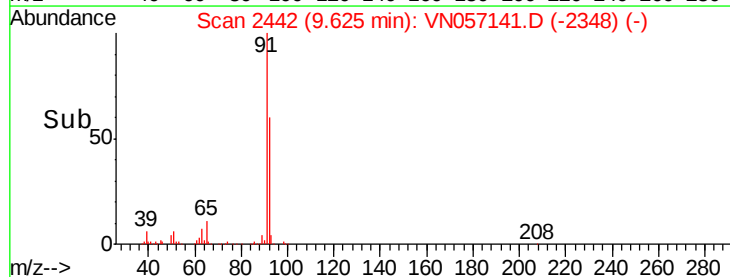
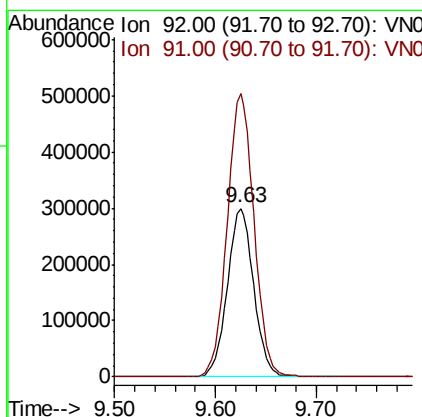
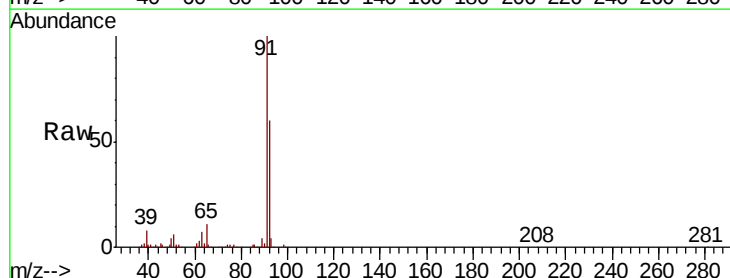
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0809WBS01

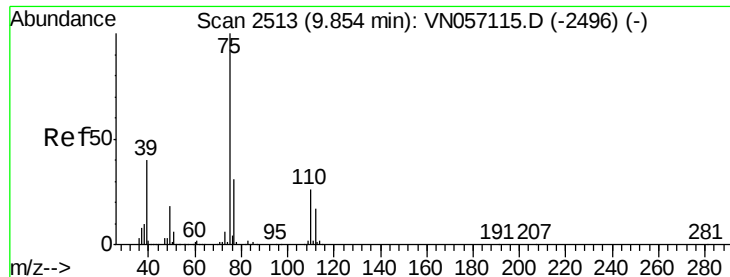
Tgt Ion: 43 Resp: 1147211
 Ion Ratio Lower Upper
 43 100
 58 41.4 33.2 49.8



#52
 Toluene
 Concen: 19.902 ug/l
 RT: 9.63 min Scan# 2442
 Delta R.T. 0.00 min
 Lab File: VN057141.D
 Acq: 9 Aug 2019 13:00

Tgt Ion: 92 Resp: 546214
 Ion Ratio Lower Upper
 92 100
 91 170.9 139.8 209.8





#53

t-1,3-Dichloropropene

Concen: 20.083 ug/l

RT: 9.86 min Scan# 2514

Delta R.T. 0.00 min

Lab File: VN057141.D

Acq: 9 Aug 2019 13:00

Instrument :

MSVOA_N

ClientSampleId :

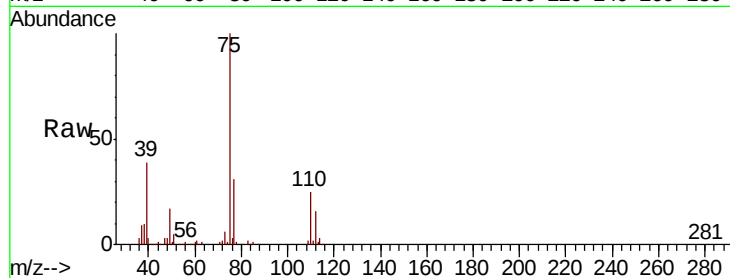
VN0809WBS01

Tgt Ion: 75 Resp: 298005

Ion Ratio Lower Upper

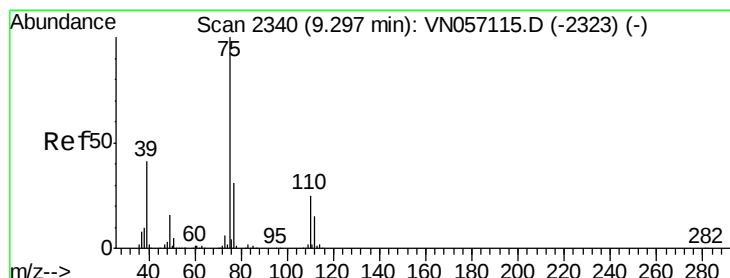
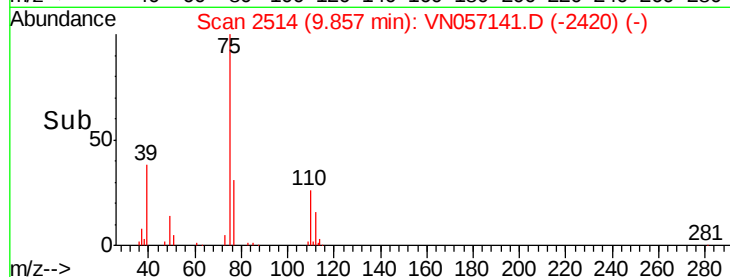
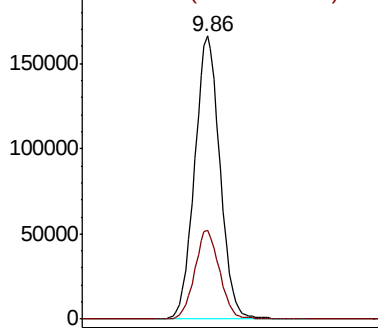
75 100

77 31.2 24.8 37.2



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 19.824 ug/l

RT: 9.30 min Scan# 2340

Delta R.T. -0.00 min

Lab File: VN057141.D

Acq: 9 Aug 2019 13:00

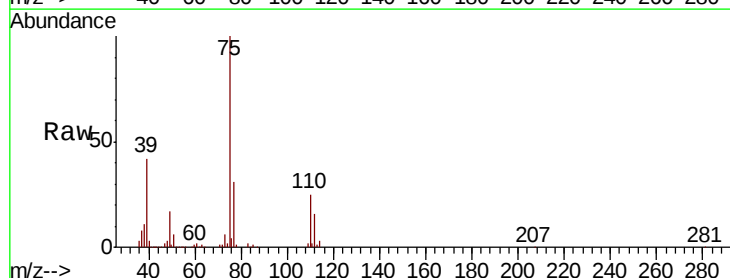
Tgt Ion: 75 Resp: 337538

Ion Ratio Lower Upper

75 100

77 31.3 25.1 37.7

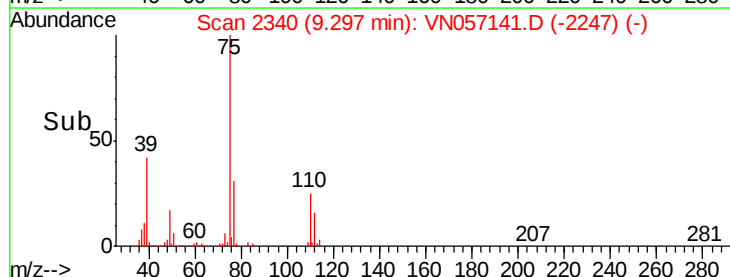
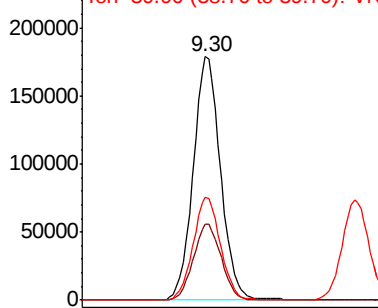
39 42.1 32.5 48.7

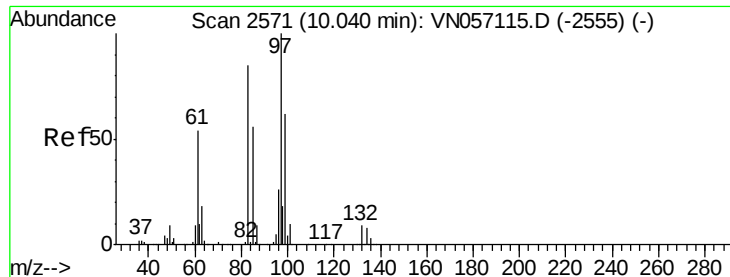


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

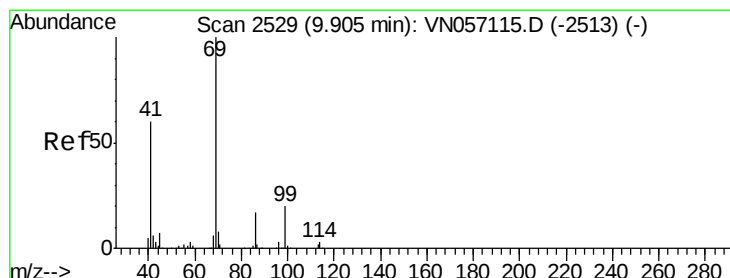
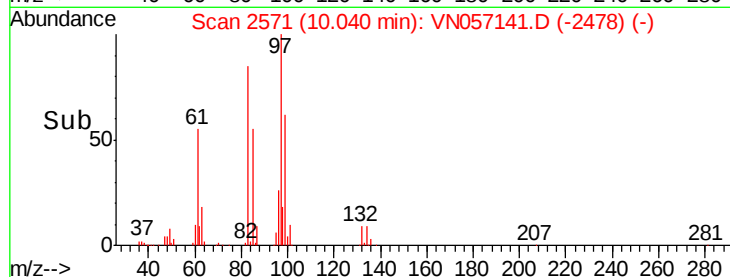
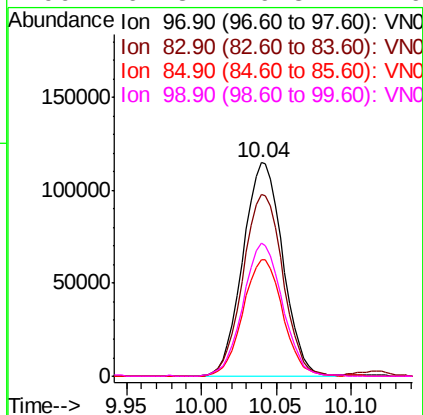
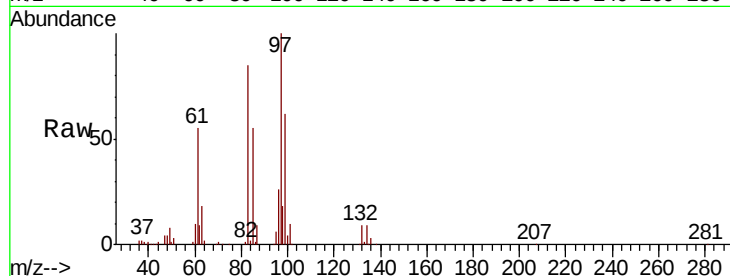




#55
 1,1,2-Trichloroethane
 Concen: 19.830 ug/l
 RT: 10.04 min Scan# 2571
 Delta R.T. -0.00 min
 Lab File: VN057141.D
 Acq: 9 Aug 2019 13:00

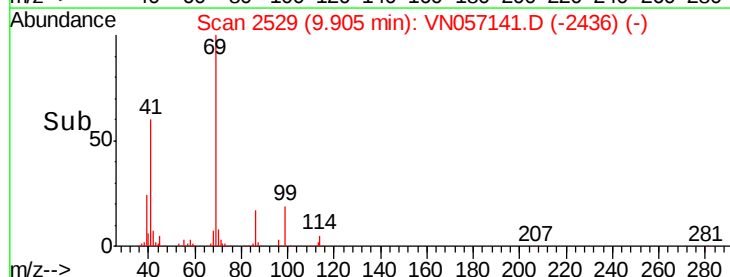
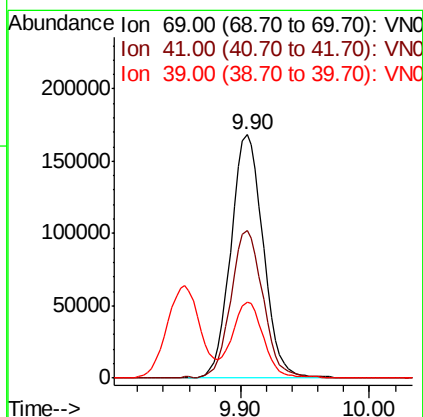
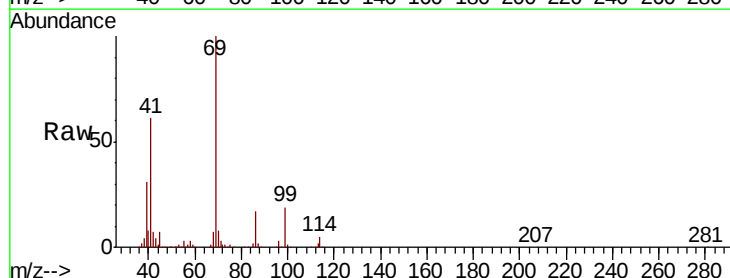
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0809WBS01

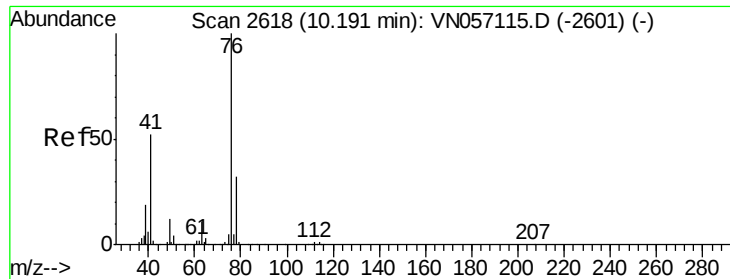
Tgt Ion:	97	Resp:	214021
Ion	Ratio	Lower	Upper
97	100		
83	84.9	67.8	101.8
85	54.6	44.4	66.6
99	62.3	49.8	74.6



#56
 Ethyl methacrylate
 Concen: 19.433 ug/l
 RT: 9.90 min Scan# 2529
 Delta R.T. -0.00 min
 Lab File: VN057141.D
 Acq: 9 Aug 2019 13:00

Tgt Ion:	69	Resp:	293660
Ion	Ratio	Lower	Upper
69	100		
41	59.6	48.1	72.1
39	30.1	23.6	35.4

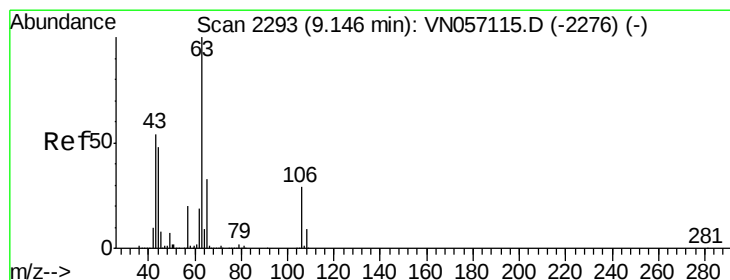
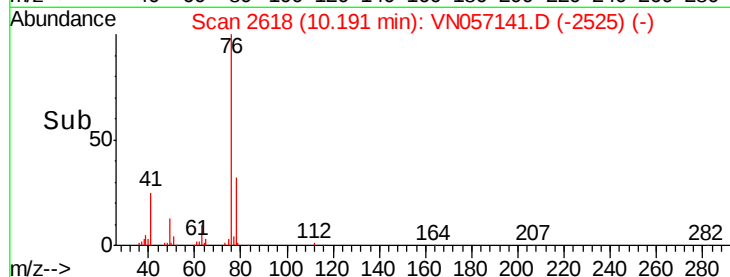
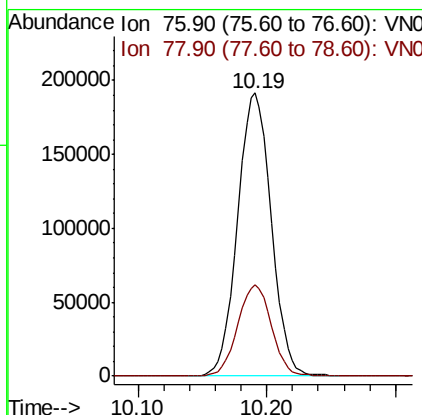
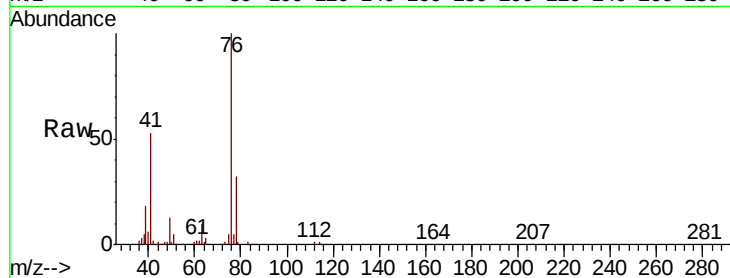




#57
 1,3-Dichloropropane
 Concen: 19.521 ug/l
 RT: 10.19 min Scan# 2618
 Delta R.T. -0.00 min
 Lab File: VN057141.D
 Acq: 9 Aug 2019 13:00

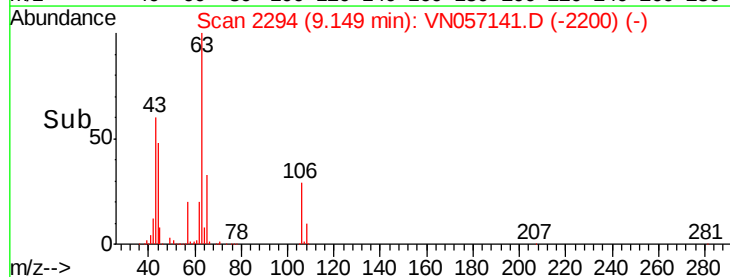
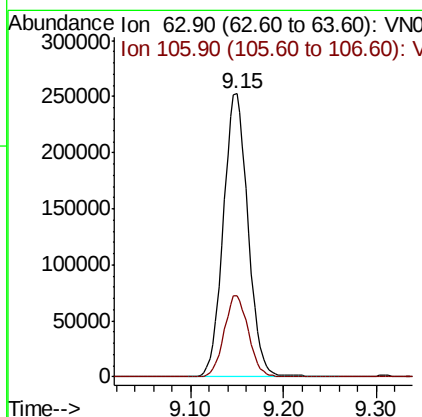
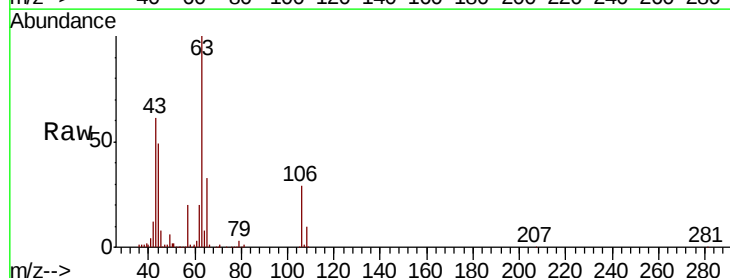
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0809WBS01

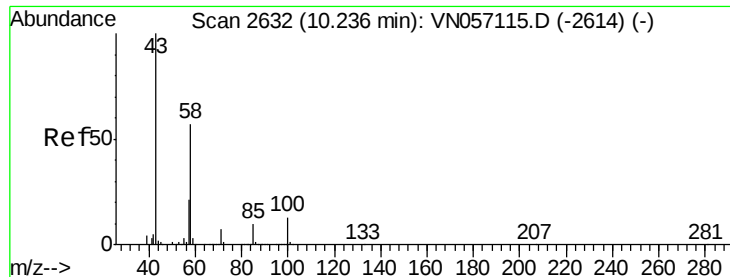
Tgt Ion: 76 Resp: 347438
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.9 38.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 86.501 ug/l
 RT: 9.15 min Scan# 2294
 Delta R.T. 0.00 min
 Lab File: VN057141.D
 Acq: 9 Aug 2019 13:00

Tgt Ion: 63 Resp: 466674
 Ion Ratio Lower Upper
 63 100
 106 28.1 22.6 33.8

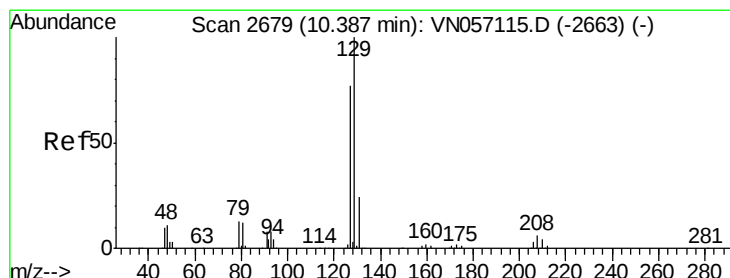
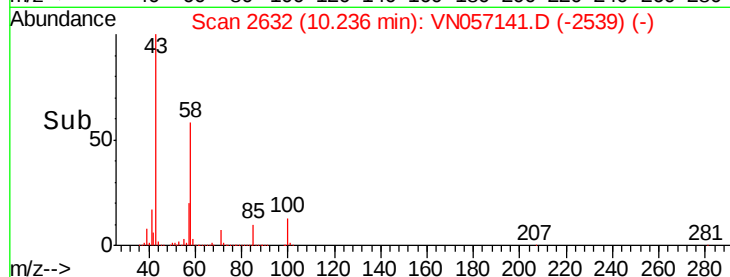
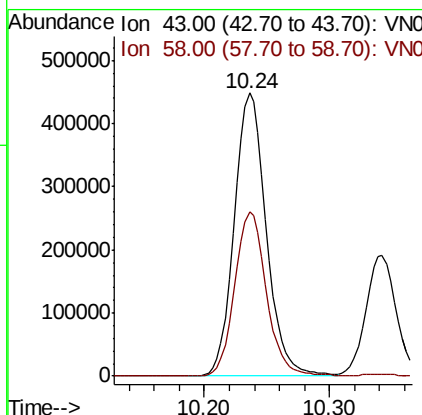
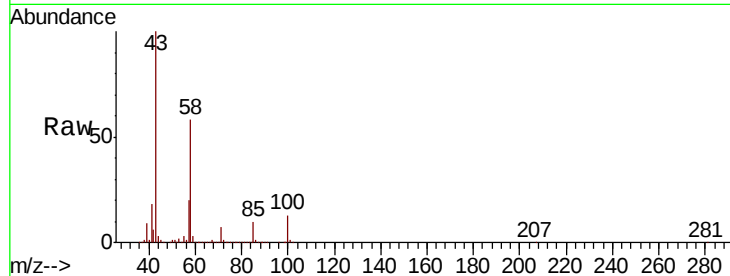




#59
2-Hexanone
Concen: 102.597 ug/l
RT: 10.24 min Scan# 2632
Delta R.T. -0.00 min
Lab File: VN057141.D
Acq: 9 Aug 2019 13:00

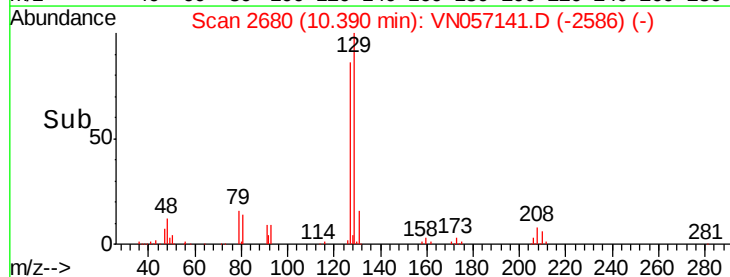
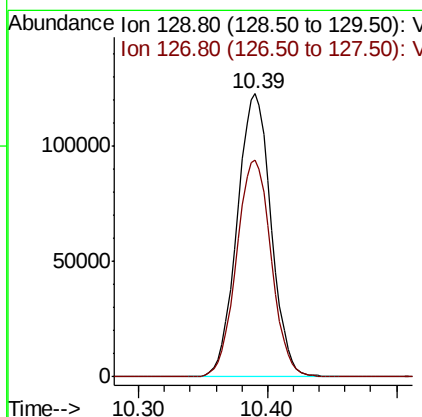
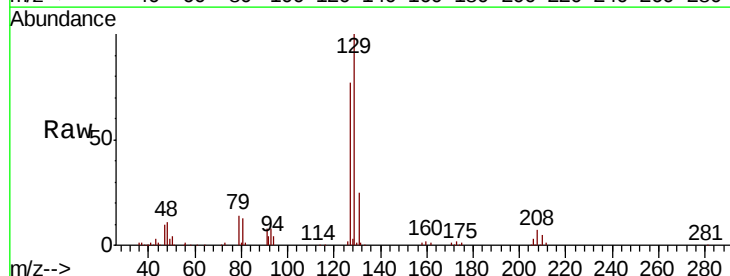
Instrument :
MSVOA_N
ClientSampleId :
VN0809WBS01

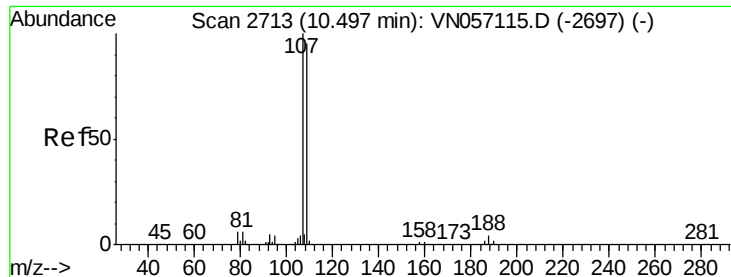
Tgt Ion: 43 Resp: 794010
Ion Ratio Lower Upper
43 100
58 57.8 29.2 87.6



#60
Dibromochloromethane
Concen: 19.832 ug/l
RT: 10.39 min Scan# 2680
Delta R.T. 0.00 min
Lab File: VN057141.D
Acq: 9 Aug 2019 13:00

Tgt Ion: 129 Resp: 224798
Ion Ratio Lower Upper
129 100
127 78.2 38.6 116.0





#61

1,2-Dibromoethane

Concen: 19.580 ug/l

RT: 10.50 min Scan# 2713

Delta R.T. -0.00 min

Lab File: VN057141.D

Acq: 9 Aug 2019 13:00

Instrument :

MSVOA_N

ClientSampled :

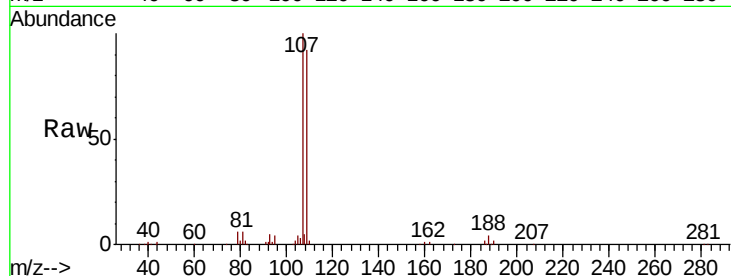
VN0809WBS01

Tgt Ion: 107 Resp: 218059

Ion Ratio Lower Upper

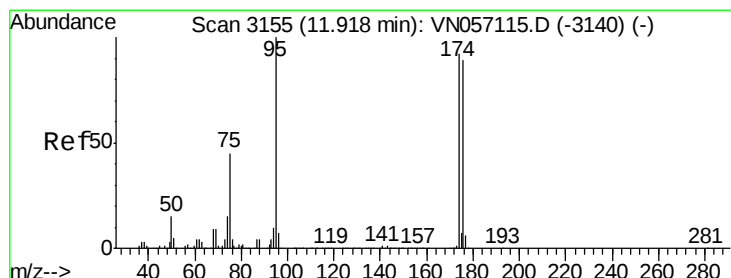
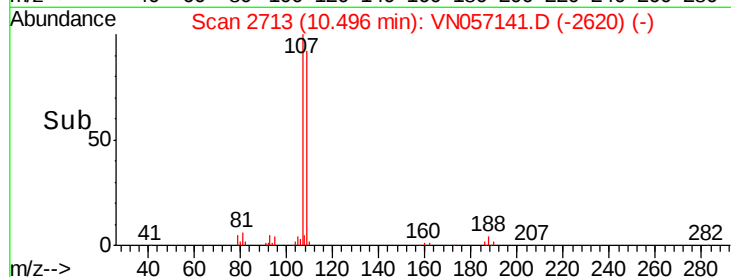
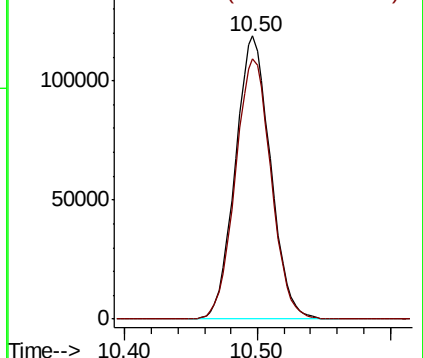
107 100

109 93.8 75.6 113.4



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 46.782 ug/l

RT: 11.92 min Scan# 3155

Delta R.T. -0.00 min

Lab File: VN057141.D

Acq: 9 Aug 2019 13:00

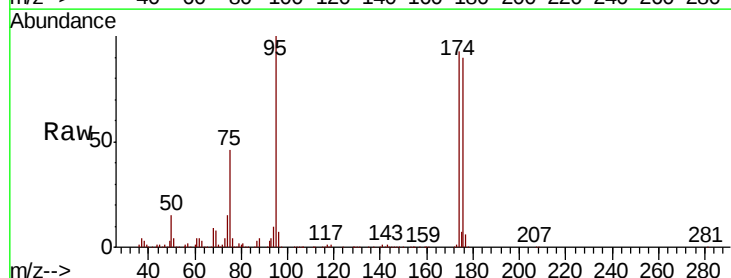
Tgt Ion: 95 Resp: 613879

Ion Ratio Lower Upper

95 100

174 94.4 0.0 185.0

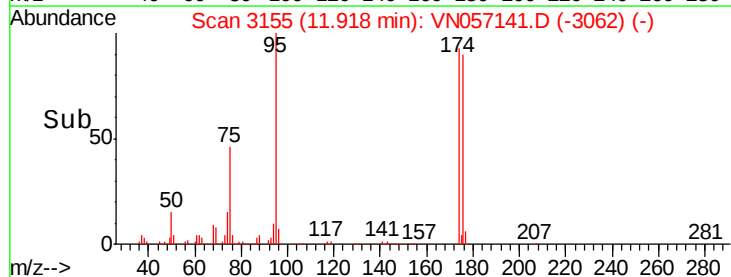
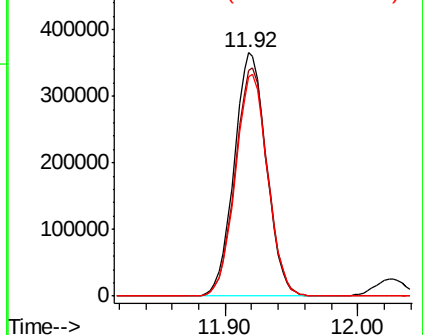
176 91.3 0.0 181.2

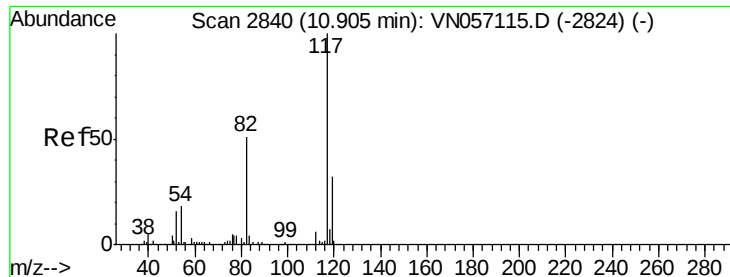


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

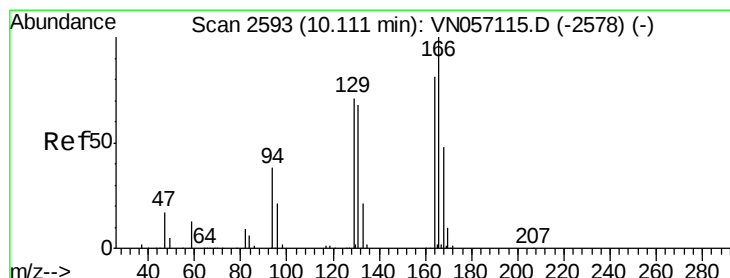
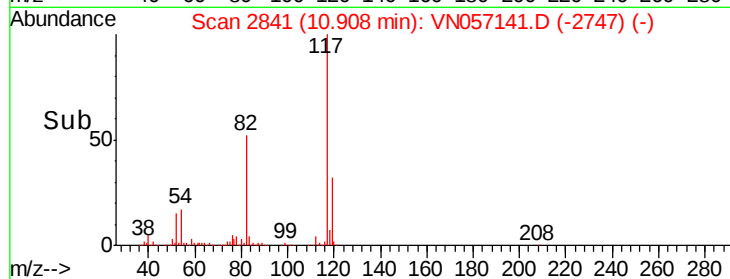
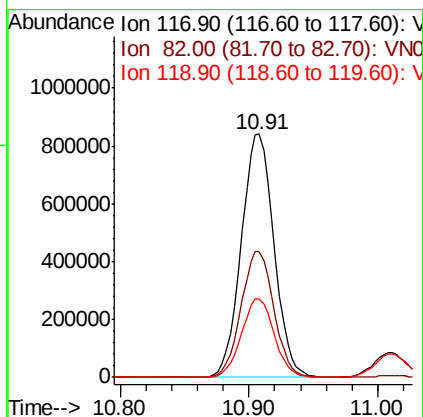
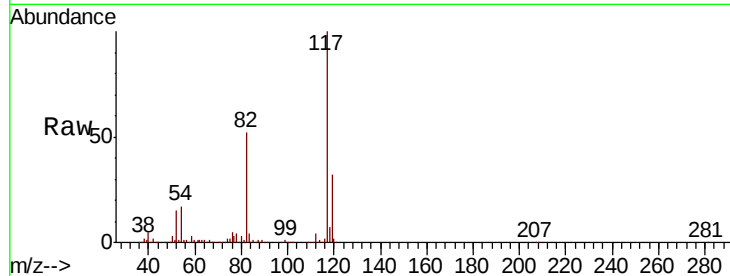




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.91 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VN057141.D
Acq: 9 Aug 2019 13:00

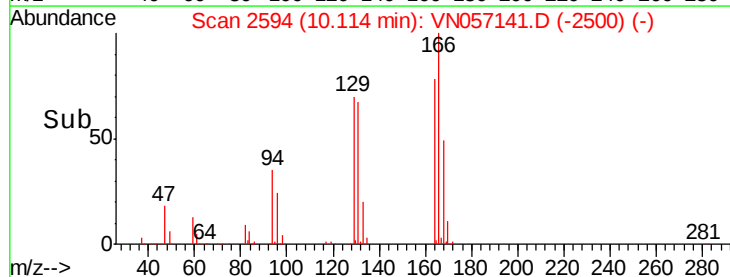
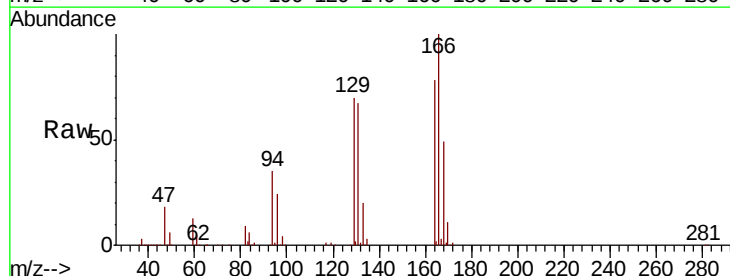
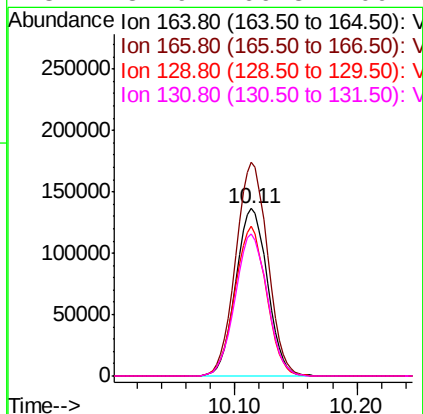
Instrument :
MSVOA_N
ClientSampled :
VN0809WBS01

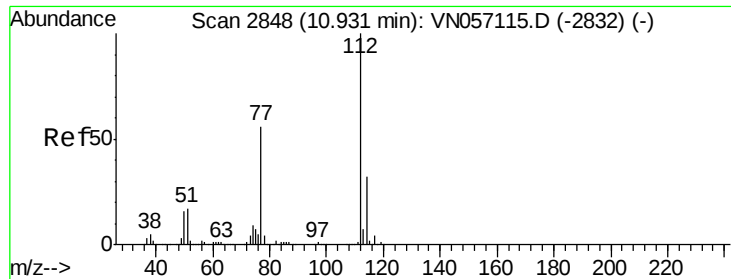
Tgt Ion:117 Resp: 1485427
Ion Ratio Lower Upper
117 100
82 51.7 40.8 61.2
119 32.3 25.7 38.5



#64
Tetrachloroethene
Concen: 19.880 ug/l
RT: 10.11 min Scan# 2594
Delta R.T. 0.00 min
Lab File: VN057141.D
Acq: 9 Aug 2019 13:00

Tgt Ion:164 Resp: 245589
Ion Ratio Lower Upper
164 100
166 127.5 98.3 147.5
129 89.1 69.8 104.6
131 84.9 66.8 100.2

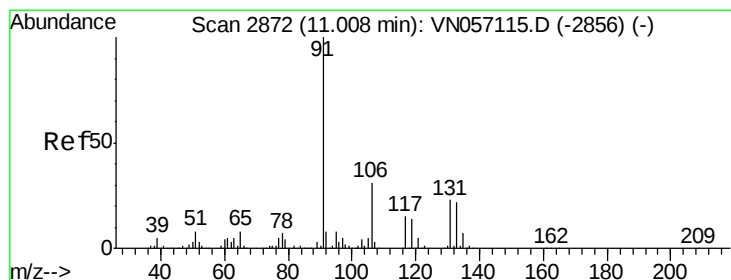
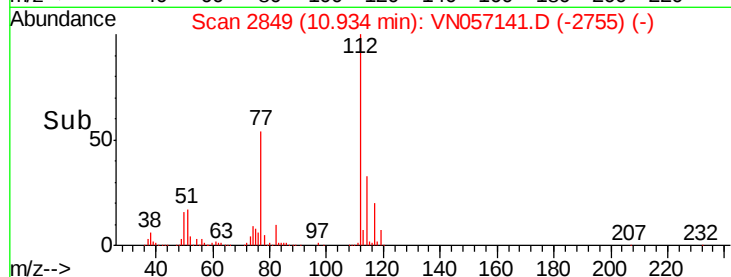
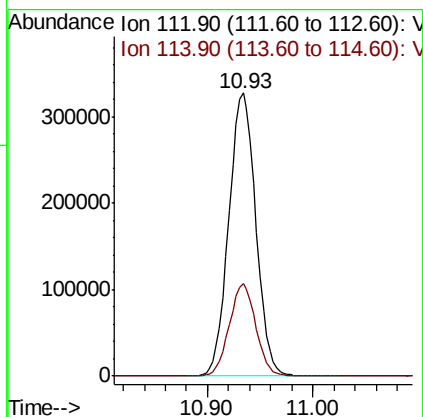
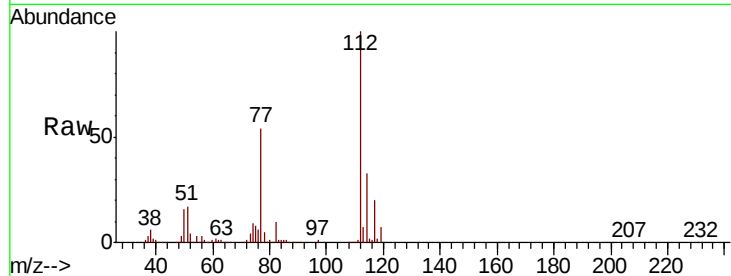




#65
Chlorobenzene
Concen: 19.434 ug/l
RT: 10.93 min Scan# 2849
Delta R.T. 0.00 min
Lab File: VN057141.D
Acq: 9 Aug 2019 13:00

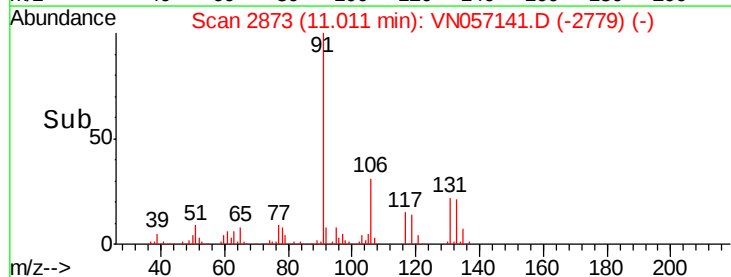
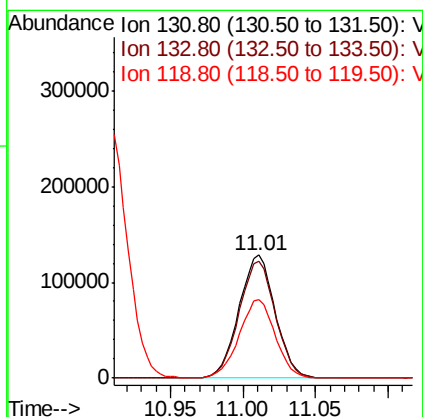
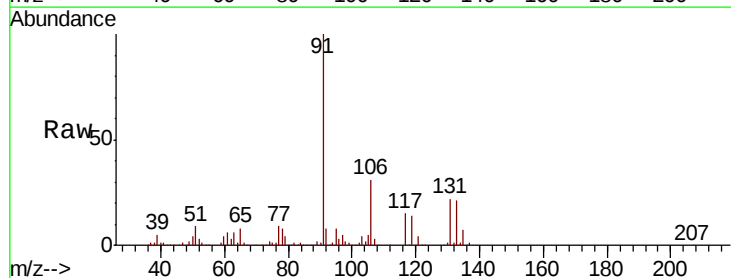
Instrument :
MSVOA_N
ClientSampleId :
VN0809WBS01

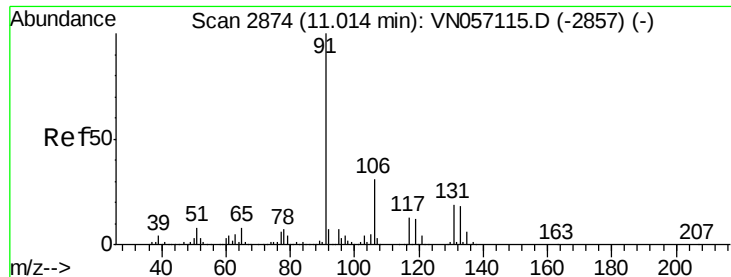
Tgt Ion:112 Resp: 580826
Ion Ratio Lower Upper
112 100
114 32.6 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 19.941 ug/l
RT: 11.01 min Scan# 2873
Delta R.T. 0.00 min
Lab File: VN057141.D
Acq: 9 Aug 2019 13:00

Tgt Ion:131 Resp: 222814
Ion Ratio Lower Upper
131 100
133 95.1 47.6 142.8
119 63.8 32.6 97.7





#67

Ethyl Benzene

Concen: 19.551 ug/l

RT: 11.01 min Scan# 2874

Delta R.T. -0.00 min

Lab File: VN057141.D

Acq: 9 Aug 2019 13:00

Instrument :

MSVOA_N

ClientSampled :

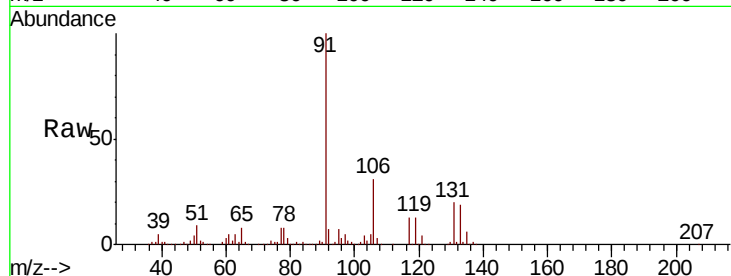
VN0809WBS01

Tgt Ion: 91 Resp: 1005715

Ion Ratio Lower Upper

91 100

106 31.0 25.0 37.4



Abundance Ion 91.00 (90.70 to 91.70): VN057115.D (-2857) (-)

Ion 106.00 (105.70 to 106.70): VN057115.D (-2857) (-)

800000

600000

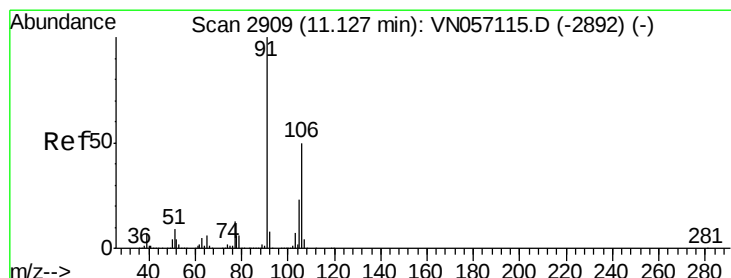
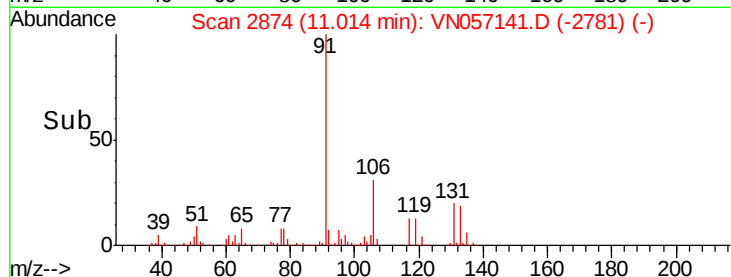
400000

200000

0

10.95 11.00 11.05 11.10

Time-->



#68

m/p-Xylenes

Concen: 39.405 ug/l

RT: 11.13 min Scan# 2909

Delta R.T. -0.00 min

Lab File: VN057141.D

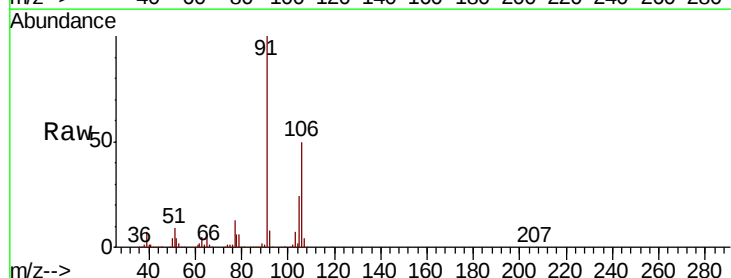
Acq: 9 Aug 2019 13:00

Tgt Ion: 106 Resp: 746750

Ion Ratio Lower Upper

106 100

91 200.2 159.8 239.8



Abundance Ion 106.00 (105.70 to 106.70): VN057115.D (-2892) (-)

Ion 91.00 (90.70 to 91.70): VN057115.D (-2892) (-)

800000

600000

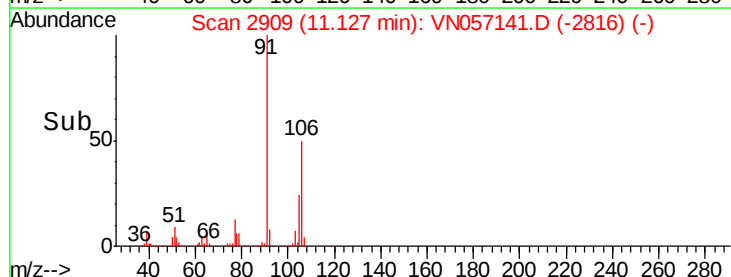
400000

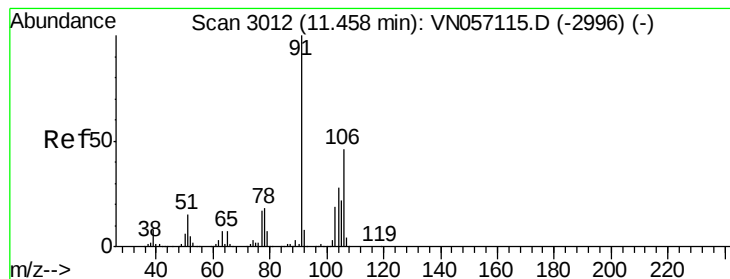
200000

0

11.10 11.13 11.16

Time-->





#69

o-Xylene

Concen: 19.552 ug/l

RT: 11.46 min Scan# 3012

Delta R.T. -0.00 min

Lab File: VN057141.D

Acq: 9 Aug 2019 13:00

Instrument :

MSVOA_N

ClientSampled :

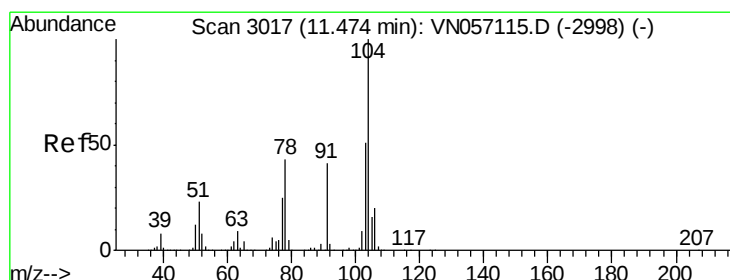
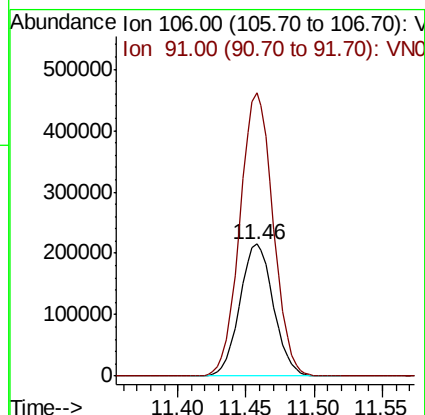
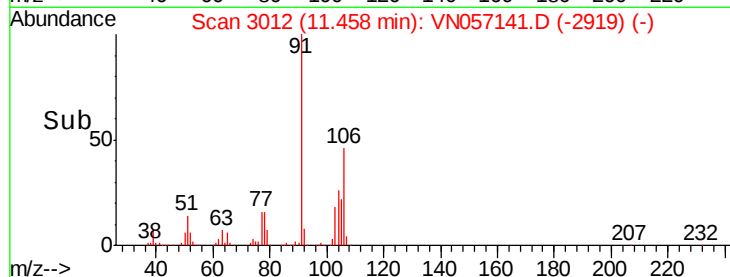
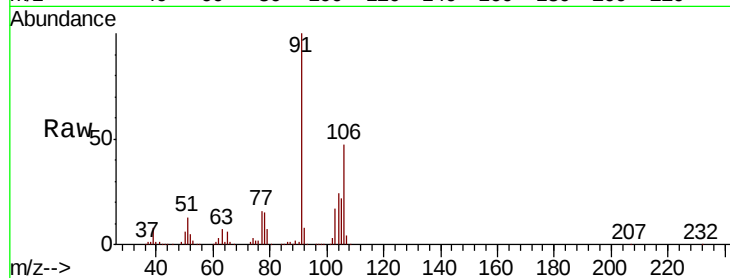
VN0809WBS01

Tgt Ion:106 Resp: 368767

Ion Ratio Lower Upper

106 100

91 211.2 106.8 320.5



#70

Styrene

Concen: 19.651 ug/l

RT: 11.47 min Scan# 3017

Delta R.T. -0.00 min

Lab File: VN057141.D

Acq: 9 Aug 2019 13:00

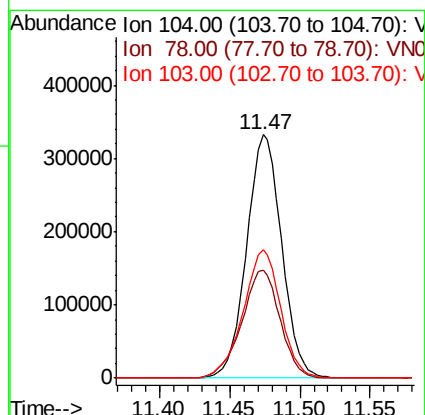
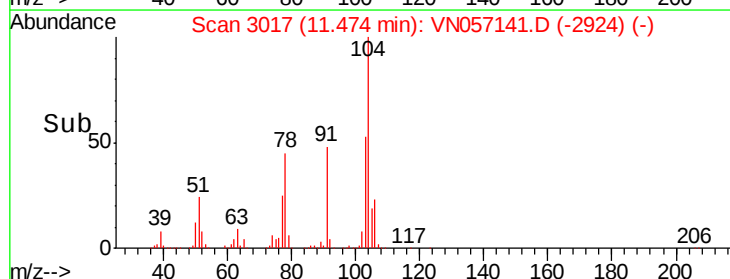
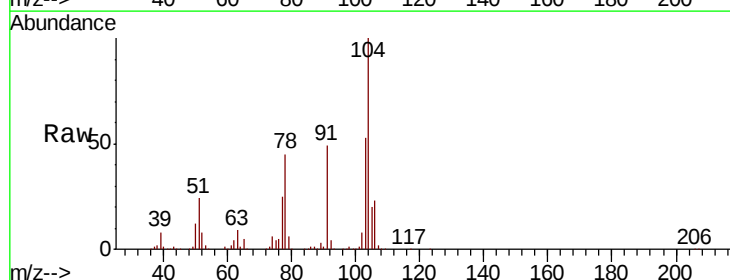
Tgt Ion:104 Resp: 578893

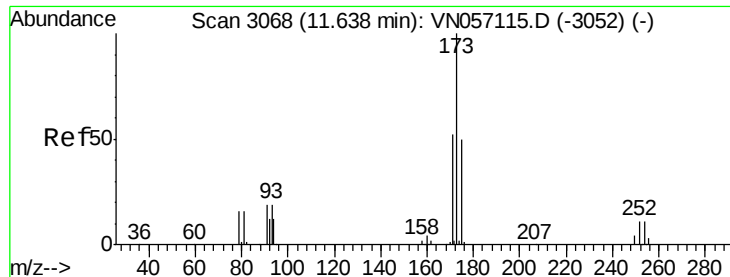
Ion Ratio Lower Upper

104 100

78 48.6 38.5 57.7

103 56.4 44.6 66.8





#71

Bromoform

Concen: 19.877 ug/l

RT: 11.64 min Scan# 3068

Delta R.T. -0.00 min

Lab File: VN057141.D

Acq: 9 Aug 2019 13:00

Instrument :

MSVOA_N

ClientSampleId :

VN0809WBS01

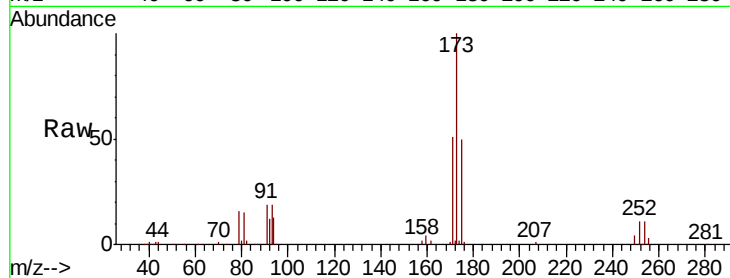
Tgt Ion:173 Resp: 162694

Ion Ratio Lower Upper

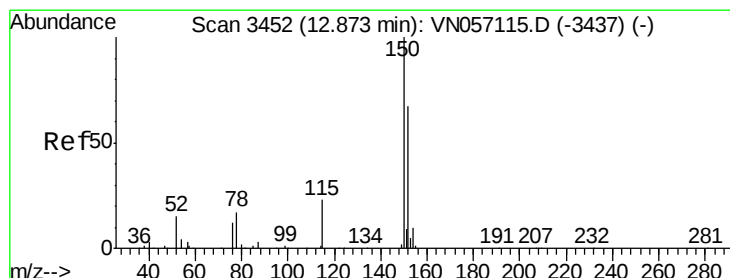
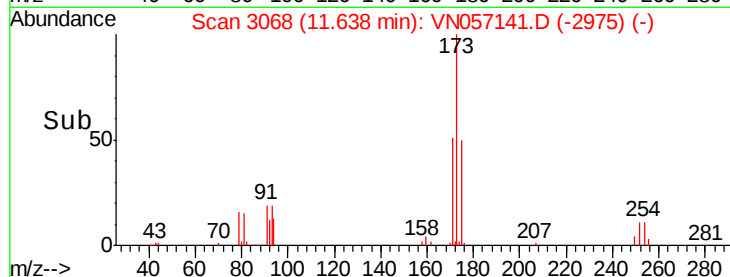
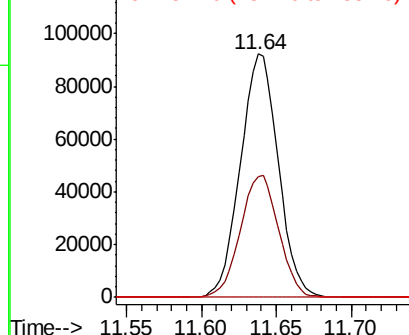
173 100

175 50.6 24.6 73.8

254 0.2 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.87 min Scan# 3452

Delta R.T. -0.00 min

Lab File: VN057141.D

Acq: 9 Aug 2019 13:00

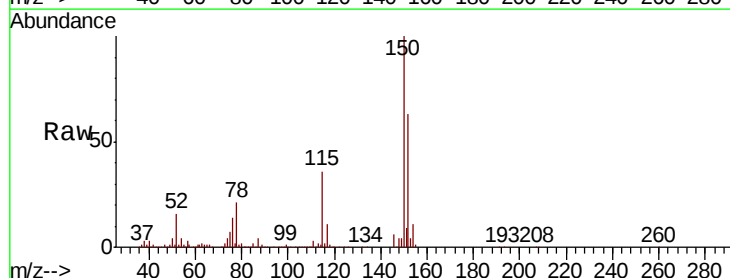
Tgt Ion:152 Resp: 530257

Ion Ratio Lower Upper

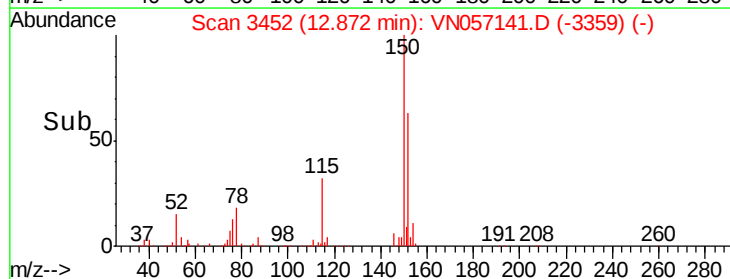
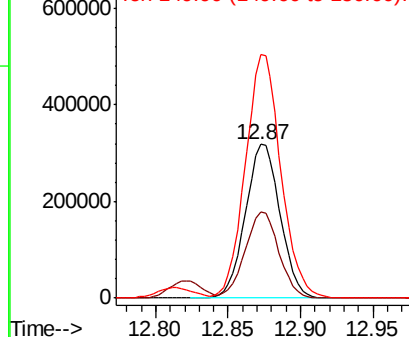
152 100

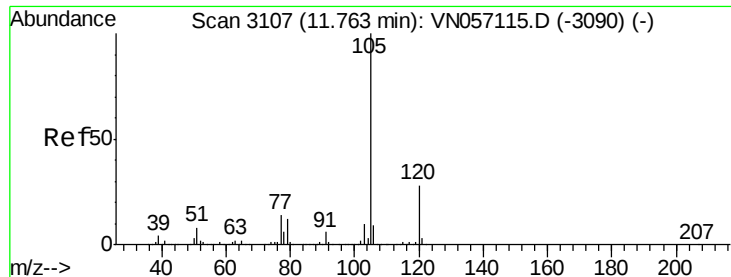
115 54.6 27.5 82.5

150 161.9 0.0 341.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.417 ug/l

RT: 11.76 min Scan# 3107

Delta R.T. 0.00 min

Lab File: VN057141.D

Acq: 9 Aug 2019 13:00

Instrument :

MSVOA_N

ClientSampleId :

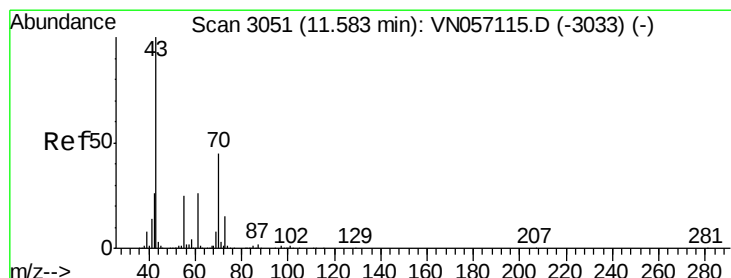
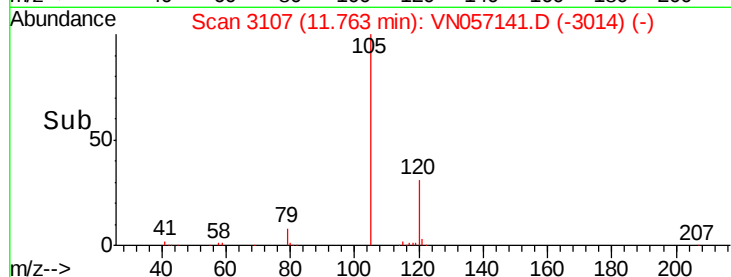
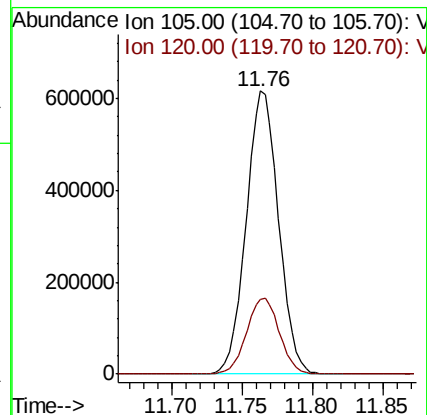
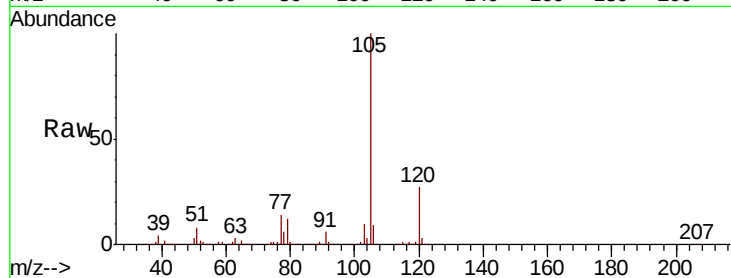
VN0809WBS01

Tgt Ion: 105 Resp: 990103

Ion Ratio Lower Upper

105 100

120 27.2 13.7 41.0



#74

N-ethyl acetate

Concen: 19.856 ug/l

RT: 11.58 min Scan# 3051

Delta R.T. -0.00 min

Lab File: VN057141.D

Acq: 9 Aug 2019 13:00

Tgt Ion: 43 Resp: 266811

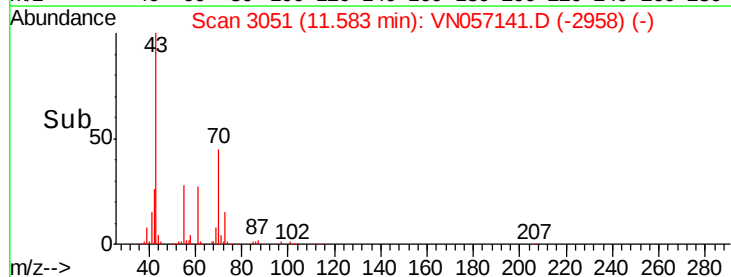
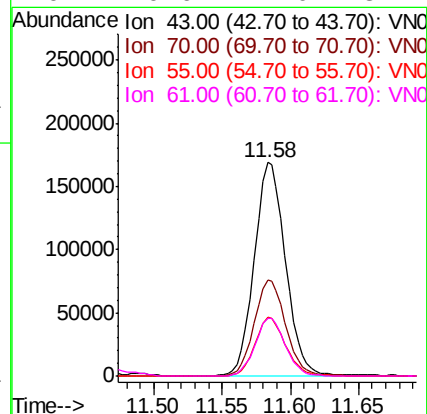
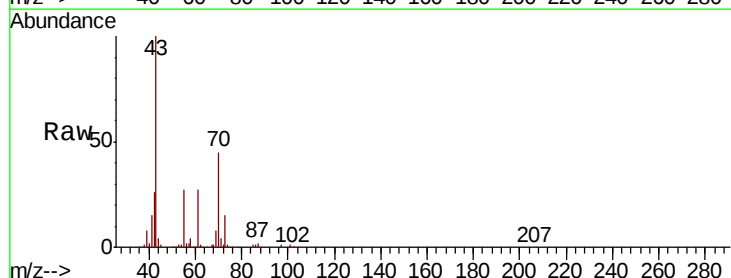
Ion Ratio Lower Upper

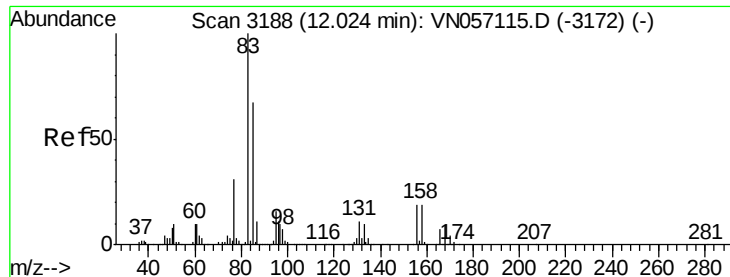
43 100

70 45.6 36.8 55.2

55 27.1 20.6 31.0

61 26.6 21.0 31.4





#75

1,1,2,2-Tetrachloroethane

Concen: 21.950 ug/l

RT: 12.02 min Scan# 3188

Delta R.T. 0.00 min

Lab File: VN057141.D

Acq: 9 Aug 2019 13:00

Instrument :

MSVOA_N

ClientSampleId :

VN0809WBS01

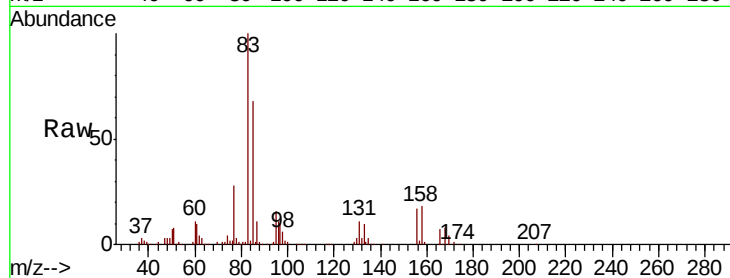
Tgt Ion: 83 Resp: 281182

Ion Ratio Lower Upper

83 100

131 11.2 5.5 16.4

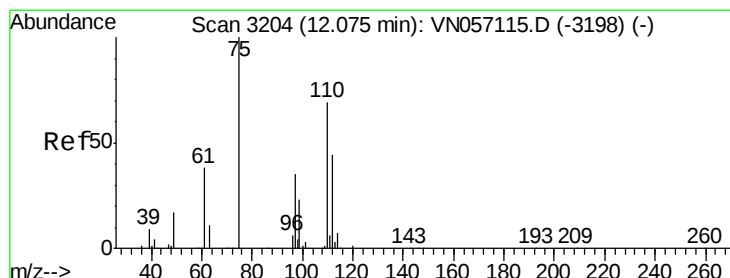
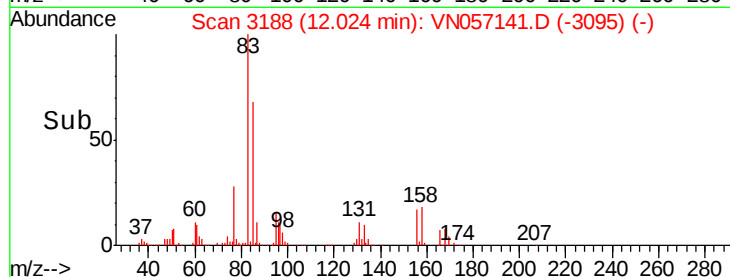
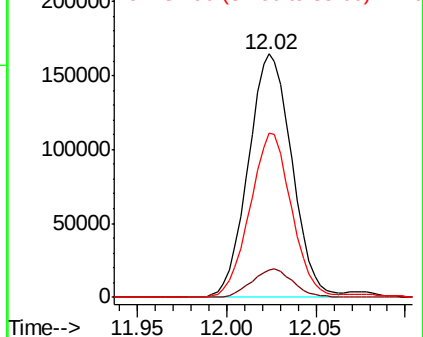
85 64.4 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 30.698 ug/l

RT: 12.08 min Scan# 3204

Delta R.T. 0.00 min

Lab File: VN057141.D

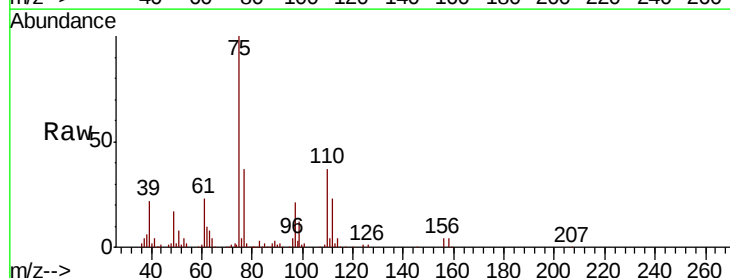
Acq: 9 Aug 2019 13:00

Tgt Ion: 75 Resp: 329555

Ion Ratio Lower Upper

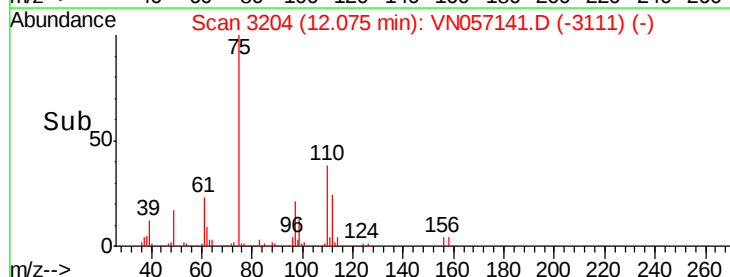
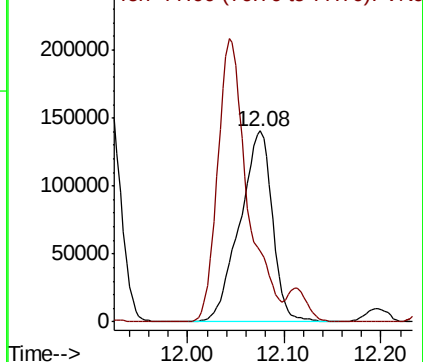
75 100

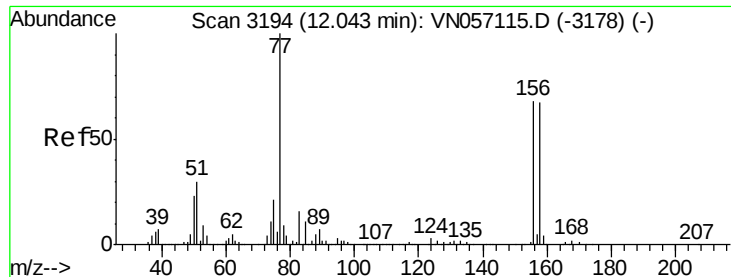
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 19.722 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. -0.00 min

Lab File: VN057141.D

Acq: 9 Aug 2019 13:00

Instrument :

MSVOA_N

ClientSampleId :

VN0809WBS01

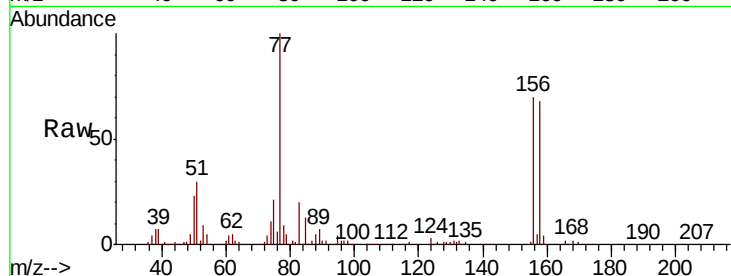
Tgt Ion:156 Resp: 251356

Ion Ratio Lower Upper

156 100

77 177.7 88.7 266.1

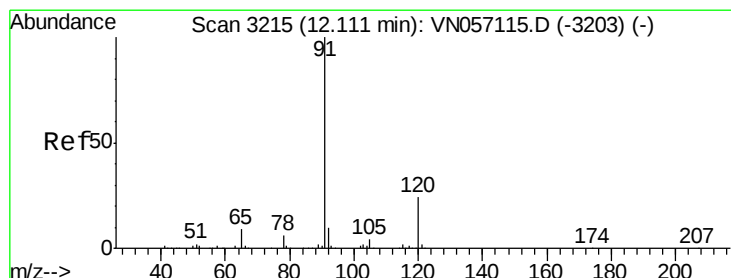
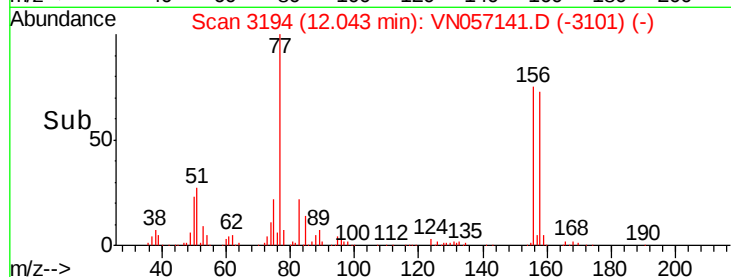
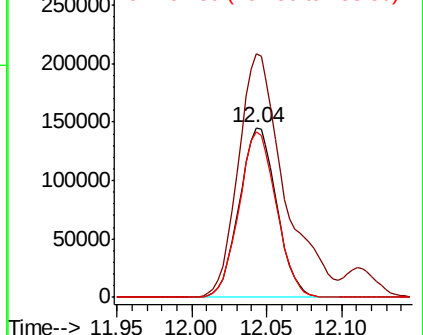
158 97.6 49.3 147.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.550 ug/l

RT: 12.11 min Scan# 3216

Delta R.T. 0.00 min

Lab File: VN057141.D

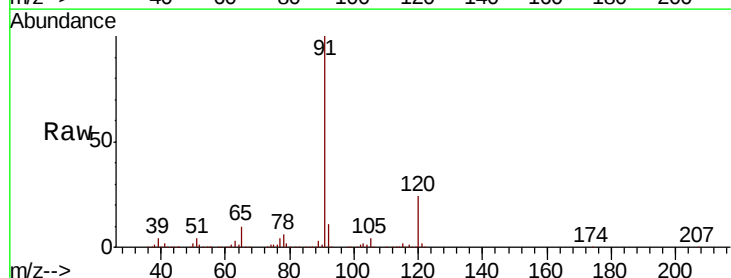
Acq: 9 Aug 2019 13:00

Tgt Ion: 91 Resp: 994527

Ion Ratio Lower Upper

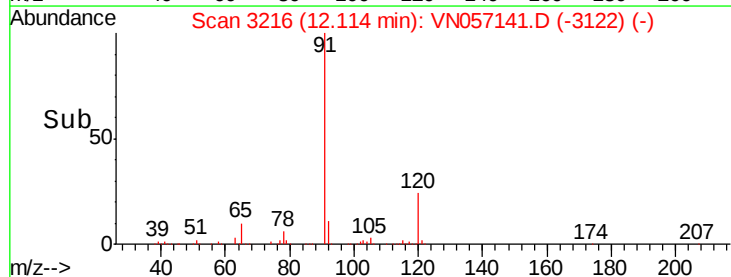
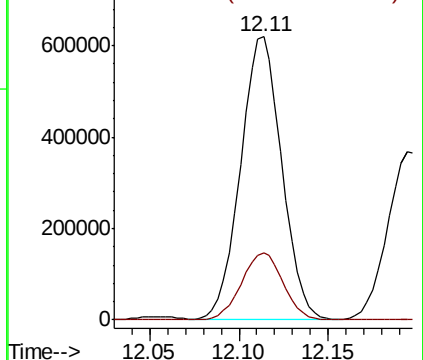
91 100

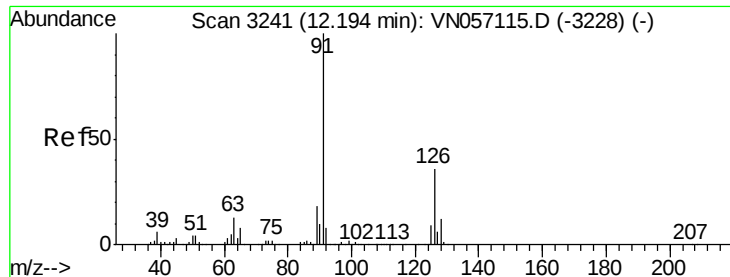
120 24.1 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.980 ug/l

RT: 12.19 min Scan# 3241

Delta R.T. 0.00 min

Lab File: VN057141.D

Acq: 9 Aug 2019 13:00

Instrument :

MSVOA_N

ClientSampleId :

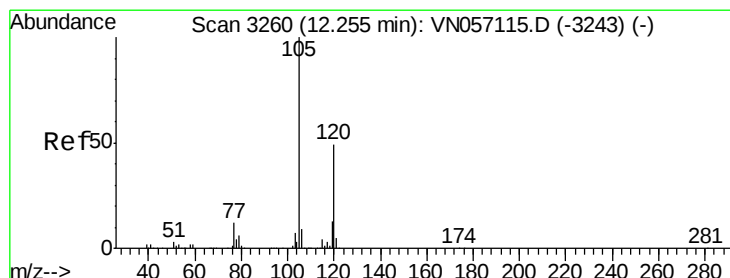
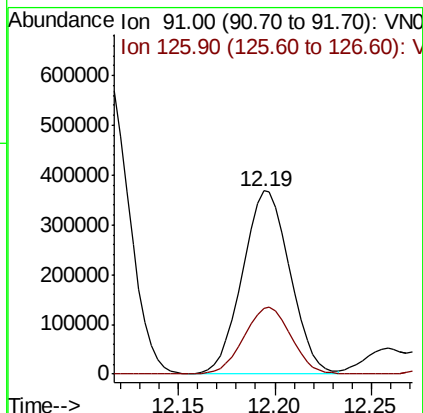
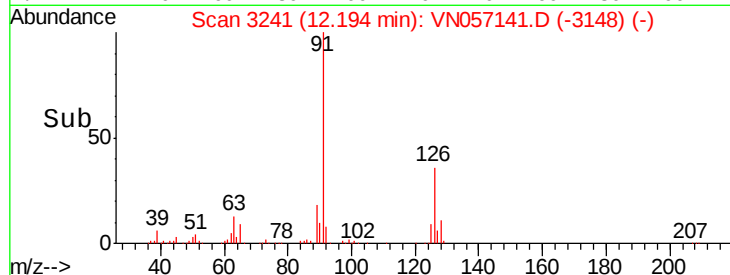
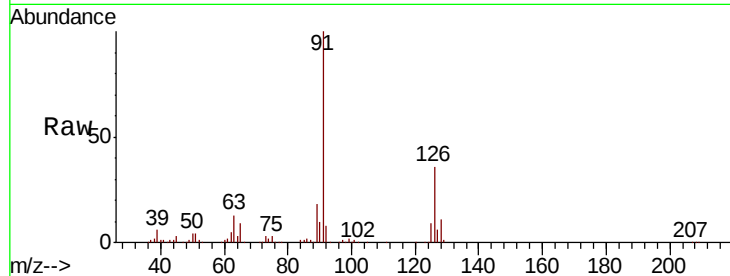
VN0809WBS01

Tgt Ion: 91 Resp: 626614

Ion Ratio Lower Upper

91 100

126 36.4 18.1 54.3



#80

1,3,5-Trimethylbenzene

Concen: 19.671 ug/l

RT: 12.26 min Scan# 3261

Delta R.T. 0.00 min

Lab File: VN057141.D

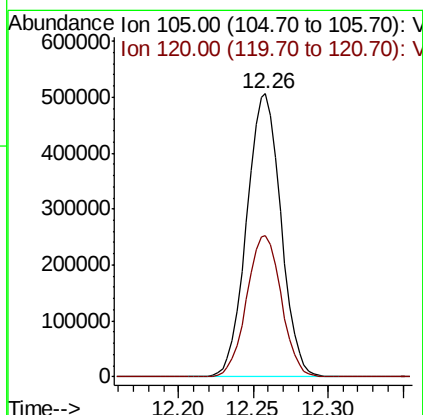
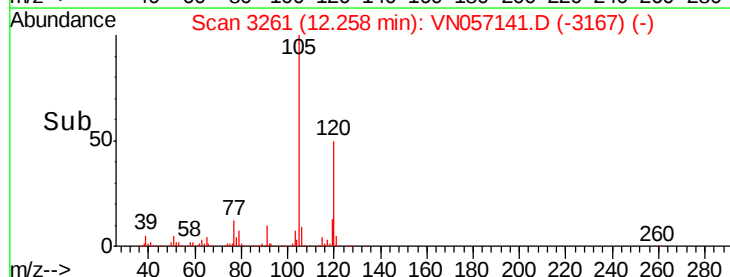
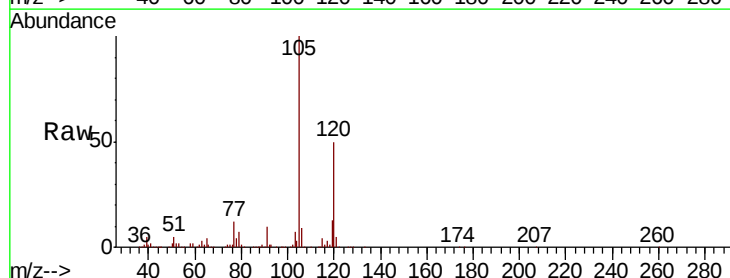
Acq: 9 Aug 2019 13:00

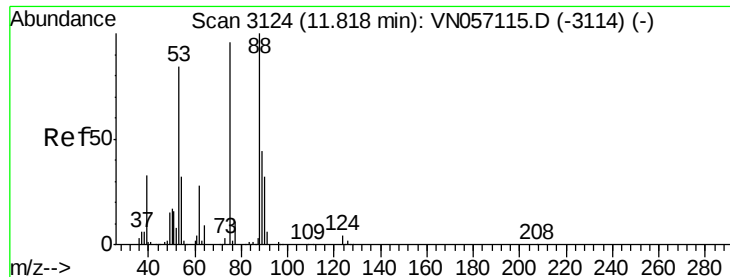
Tgt Ion: 105 Resp: 805260

Ion Ratio Lower Upper

105 100

120 50.3 24.6 73.6





#81

trans-1,4-Dichloro-2-butene

Concen: 20.624 ug/l

RT: 11.82 min Scan# 3124

Delta R.T. -0.00 min

Lab File: VN057141.D

Acq: 9 Aug 2019 13:00

Instrument :

MSVOA_N

ClientSampled :

VN0809WBS01

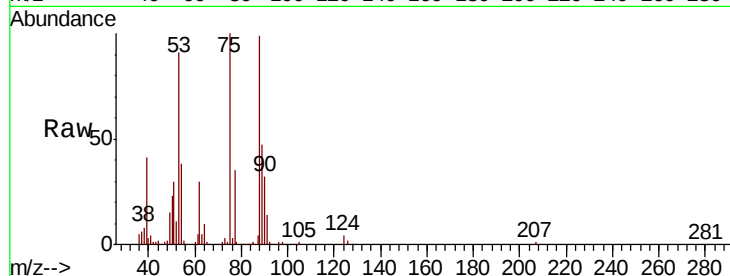
Tgt Ion: 75 Resp: 74378

Ion Ratio Lower Upper

75 100

53 91.2 70.6 106.0

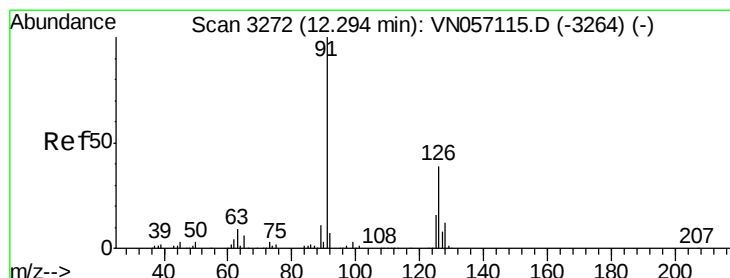
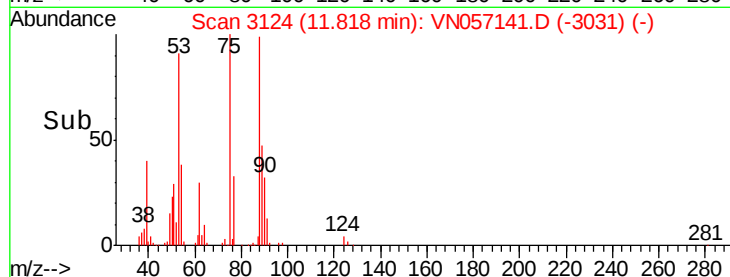
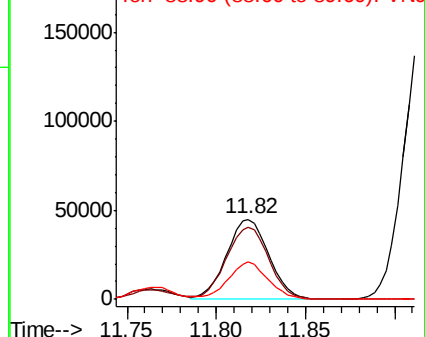
89 44.3 36.4 54.6



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 19.325 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. 0.00 min

Lab File: VN057141.D

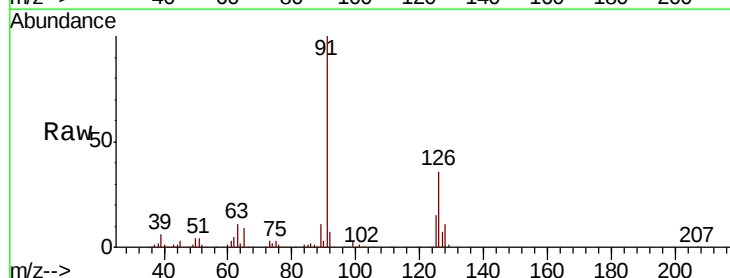
Acq: 9 Aug 2019 13:00

Tgt Ion: 91 Resp: 569213

Ion Ratio Lower Upper

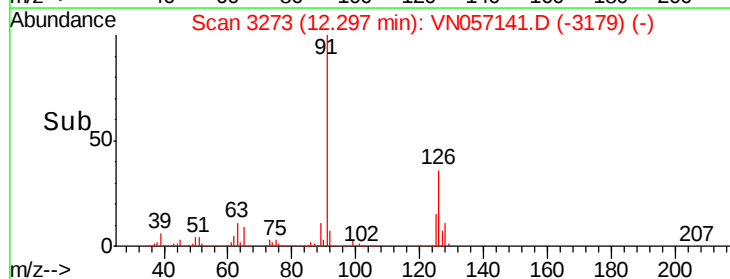
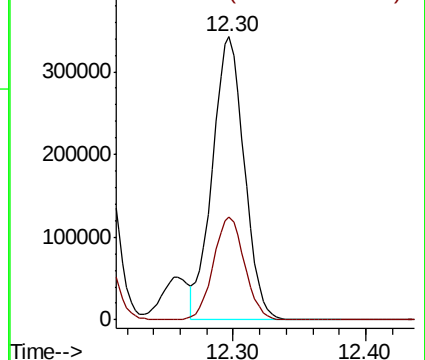
91 100

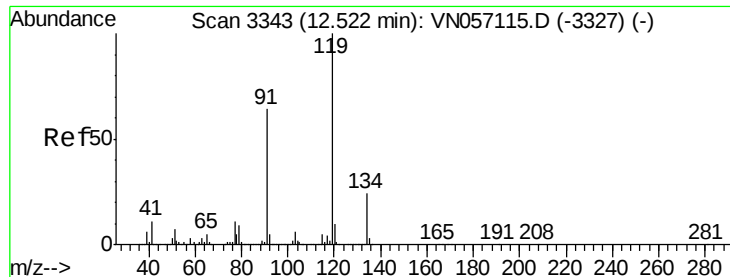
126 35.5 17.9 53.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

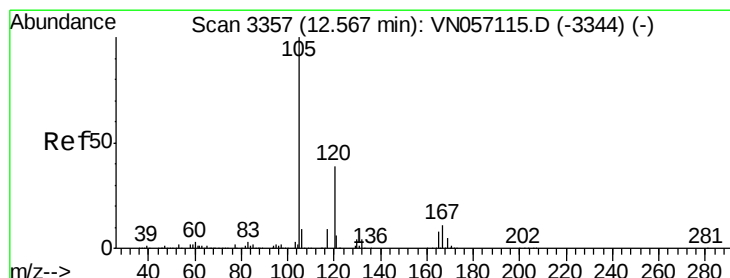
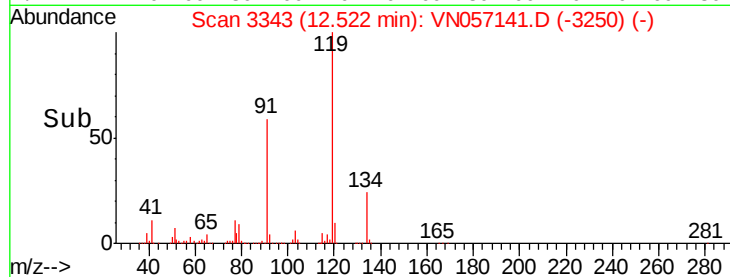
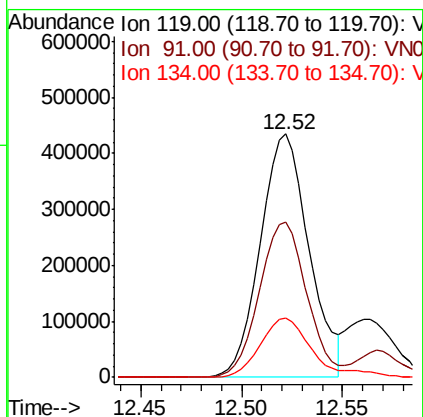
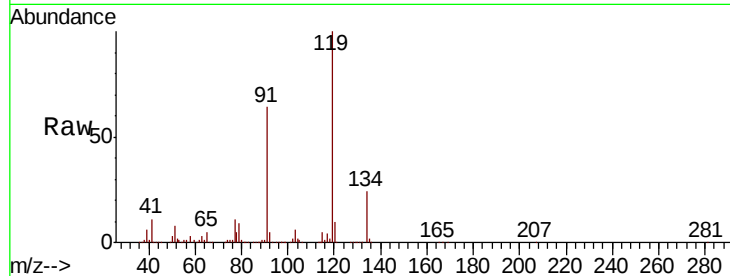




#83
 tert-Butylbenzene
 Concen: 21.483 ug/l
 RT: 12.52 min Scan# 3343
 Delta R.T. 0.00 min
 Lab File: VN057141.D
 Acq: 9 Aug 2019 13:00

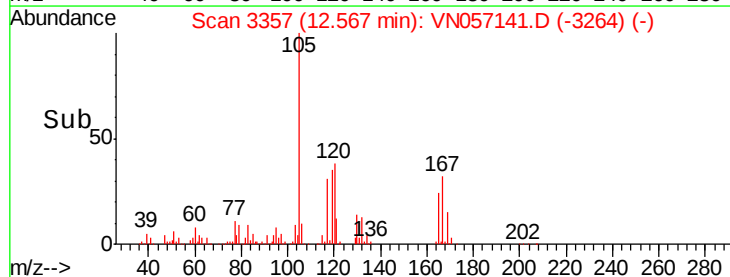
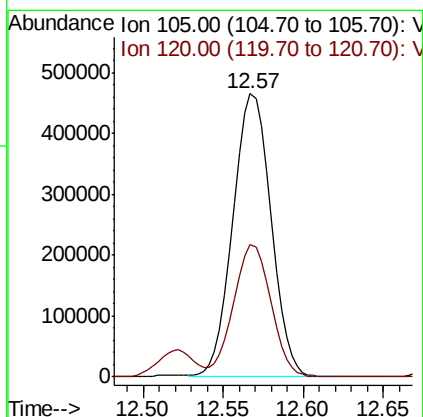
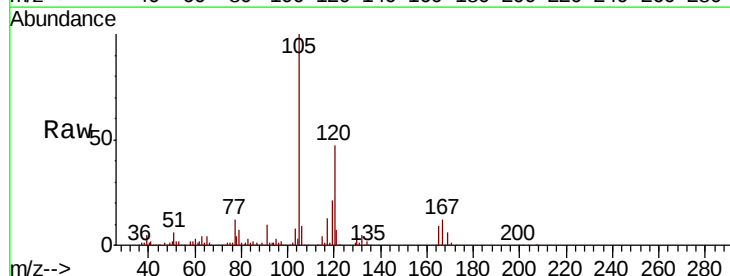
Instrument :
 MSVOA_N
 ClientSampled :
 VN0809WBS01

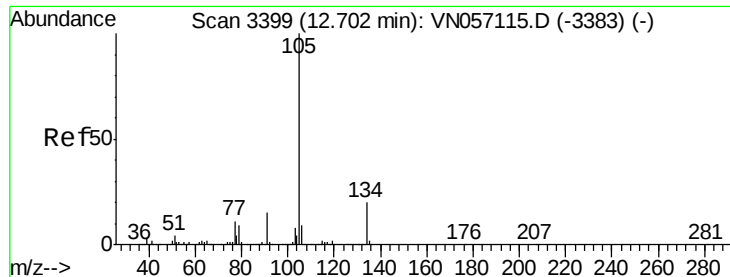
Tgt Ion:119 Resp: 731736
 Ion Ratio Lower Upper
 119 100
 91 62.3 31.4 94.2
 134 26.1 13.2 39.6



#84
 1,2,4-Trimethylbenzene
 Concen: 19.108 ug/l
 RT: 12.57 min Scan# 3357
 Delta R.T. -0.00 min
 Lab File: VN057141.D
 Acq: 9 Aug 2019 13:00

Tgt Ion:105 Resp: 756074
 Ion Ratio Lower Upper
 105 100
 120 45.9 23.3 69.8





#85

sec-Butylbenzene

Concen: 19.159 ug/l

RT: 12.70 min Scan# 3399

Delta R.T. -0.00 min

Lab File: VN057141.D

Acq: 9 Aug 2019 13:00

Instrument :

MSVOA_N

ClientSampleId :

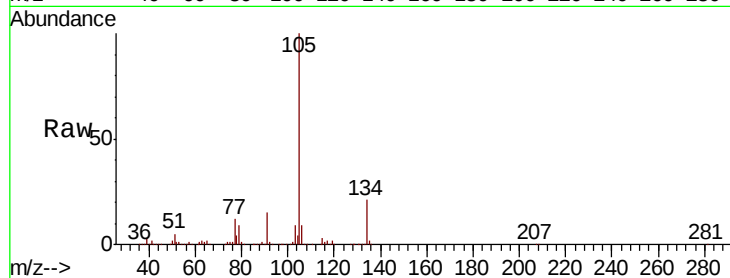
VN0809WBS01

Tgt Ion:105 Resp: 885117

Ion Ratio Lower Upper

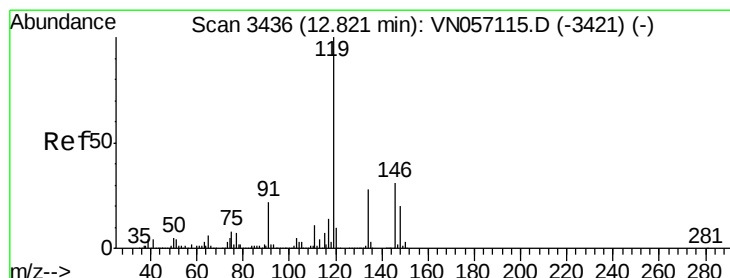
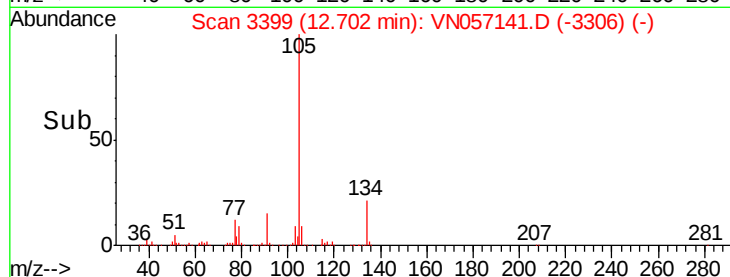
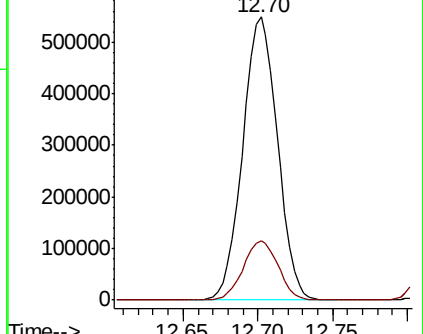
105 100

134 21.0 10.2 30.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 18.842 ug/l

RT: 12.82 min Scan# 3436

Delta R.T. -0.00 min

Lab File: VN057141.D

Acq: 9 Aug 2019 13:00

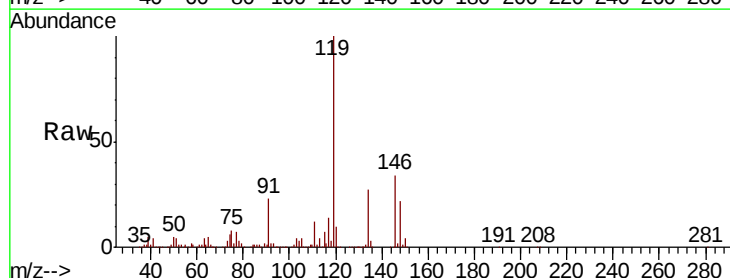
Tgt Ion:119 Resp: 763835

Ion Ratio Lower Upper

119 100

134 26.9 13.8 41.3

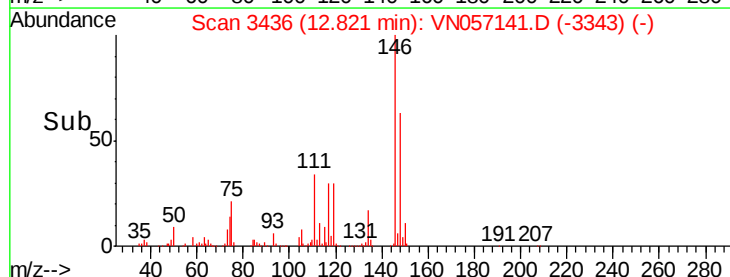
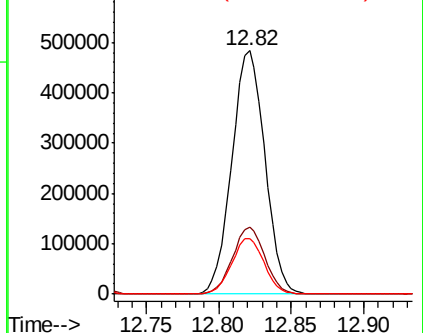
91 22.5 11.0 33.0

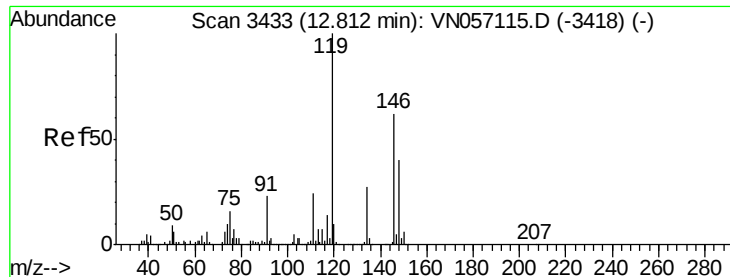


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

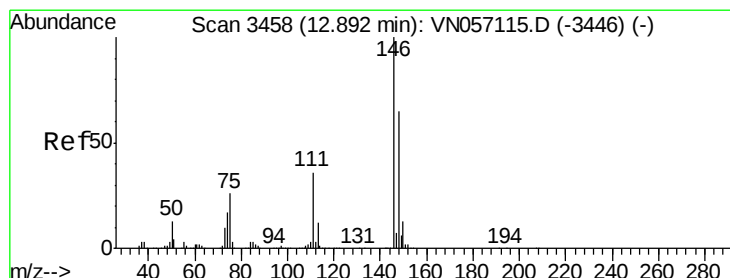
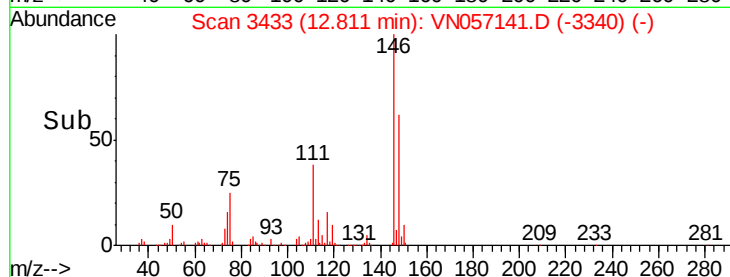
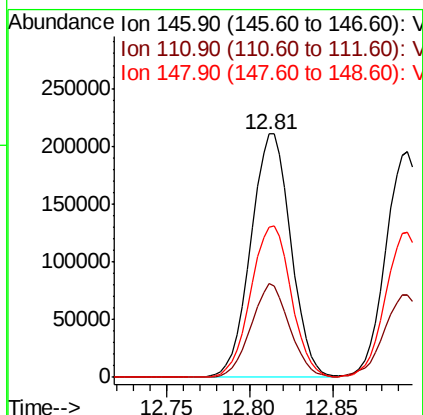
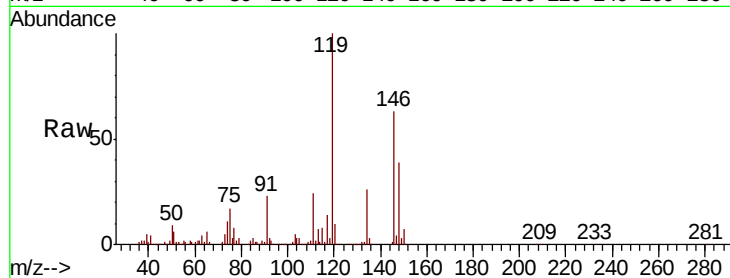




#87
 1,3-Dichlorobenzene
 Concen: 19.559 ug/l
 RT: 12.81 min Scan# 3433
 Delta R.T. -0.00 min
 Lab File: VN057141.D
 Acq: 9 Aug 2019 13:00

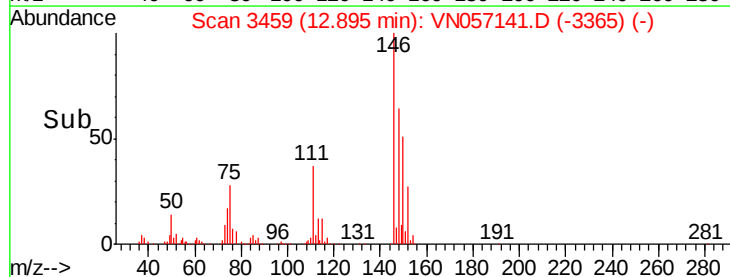
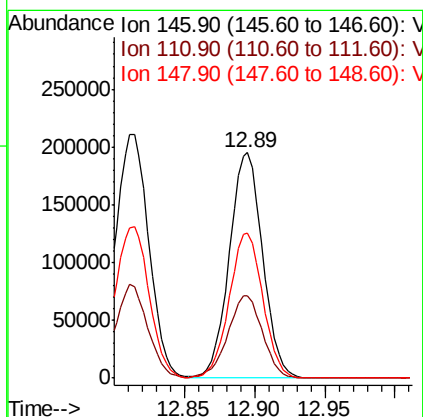
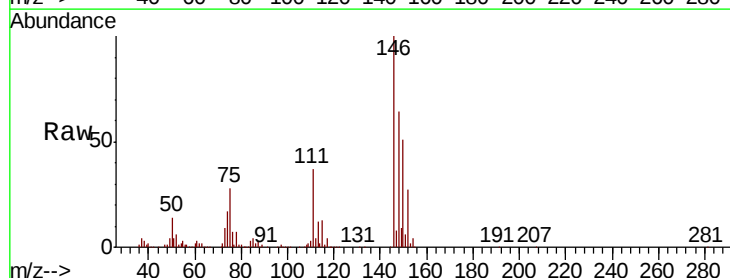
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0809WBS01

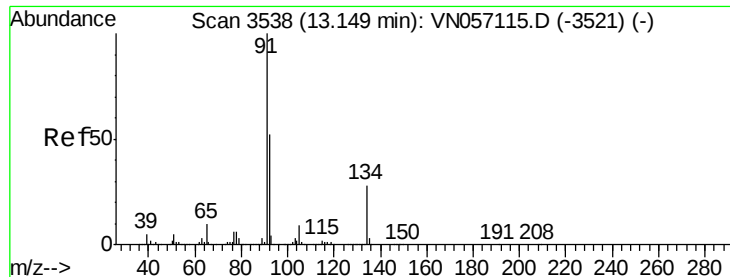
Tgt Ion:146 Resp: 354895
 Ion Ratio Lower Upper
 146 100
 111 37.0 18.8 56.4
 148 62.9 32.4 97.0



#88
 1,4-Dichlorobenzene
 Concen: 18.750 ug/l
 RT: 12.89 min Scan# 3459
 Delta R.T. 0.00 min
 Lab File: VN057141.D
 Acq: 9 Aug 2019 13:00

Tgt Ion:146 Resp: 322359
 Ion Ratio Lower Upper
 146 100
 111 38.3 18.2 54.6
 148 65.0 32.0 96.2





#89

n-Butylbenzene

Concen: 19.032 ug/l

RT: 13.15 min Scan# 3538

Delta R.T. -0.00 min

Lab File: VN057141.D

Acq: 9 Aug 2019 13:00

Instrument :

MSVOA_N

ClientSampleId :

VN0809WBS01

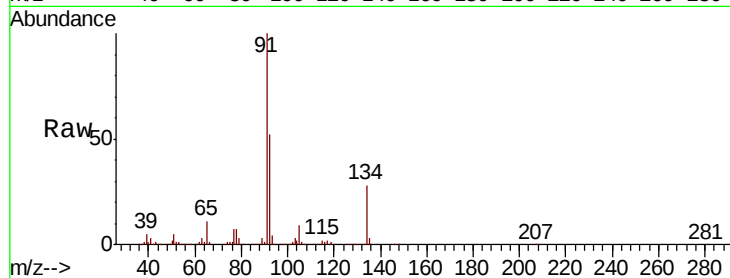
Tgt Ion: 91 Resp: 533030

Ion Ratio Lower Upper

91 100

92 53.4 26.5 79.4

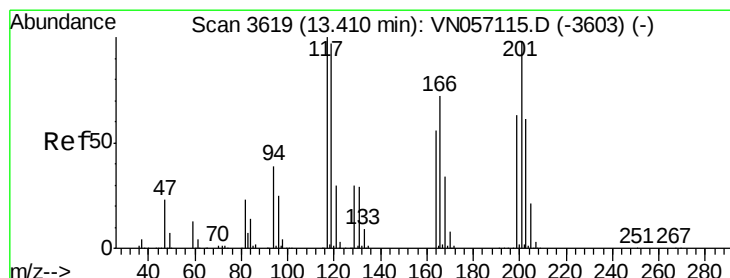
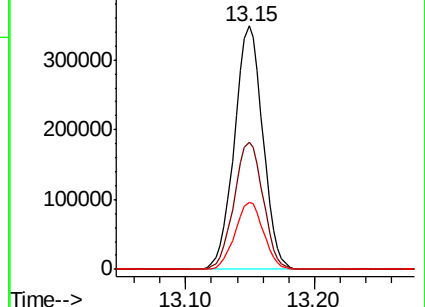
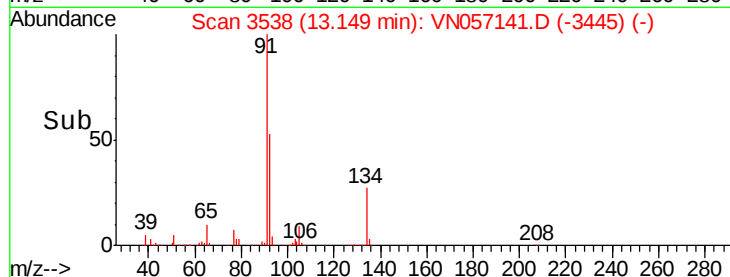
134 27.7 14.1 42.3



Abundance Ion 91.00 (90.70 to 91.70): VN057141.D (-3521) (-)

Ion 92.00 (91.70 to 92.70): VN057141.D (-3521) (-)

Ion 134.00 (133.70 to 134.70): VN057141.D (-3521) (-)



#90

Hexachloroethane

Concen: 21.229 ug/l

RT: 13.41 min Scan# 3619

Delta R.T. 0.00 min

Lab File: VN057141.D

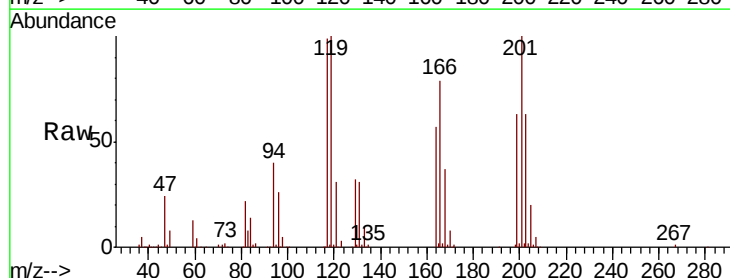
Acq: 9 Aug 2019 13:00

Tgt Ion: 117 Resp: 140364

Ion Ratio Lower Upper

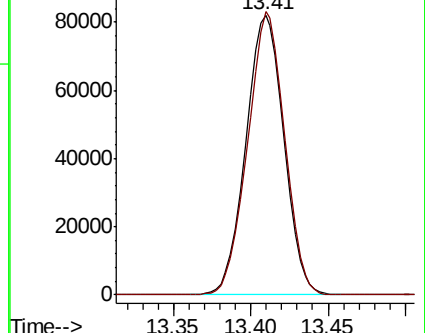
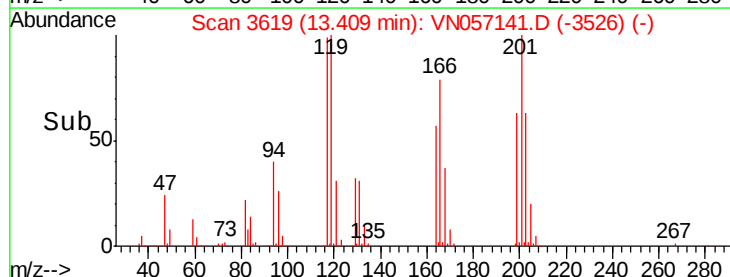
117 100

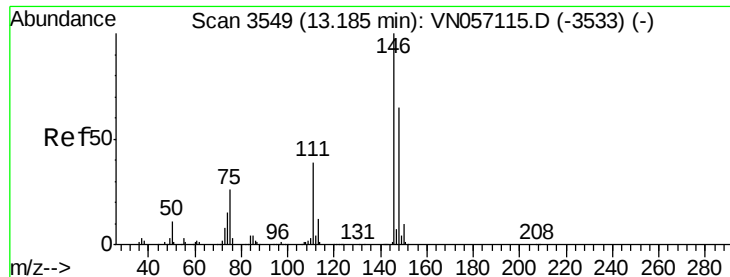
201 98.7 49.3 147.8



Abundance Ion 116.80 (116.50 to 117.50): VN057141.D (-3603) (-)

Ion 200.70 (200.40 to 201.40): VN057141.D (-3603) (-)

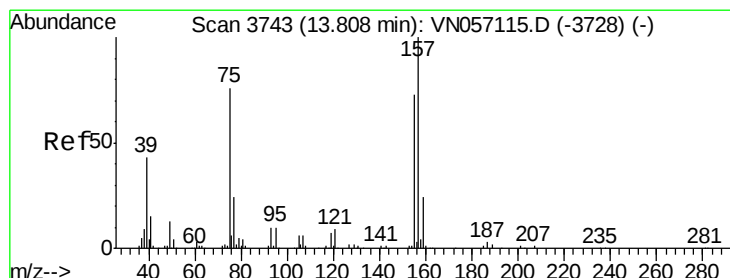
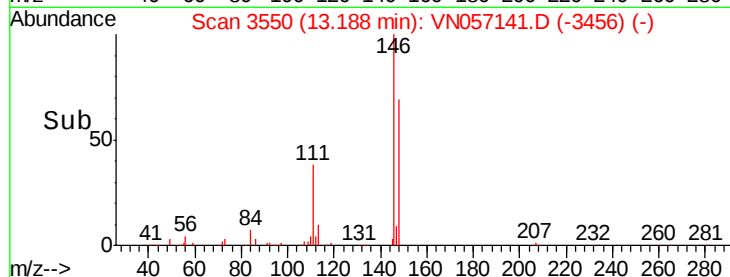
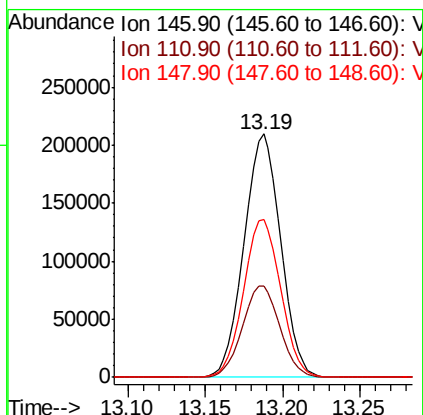
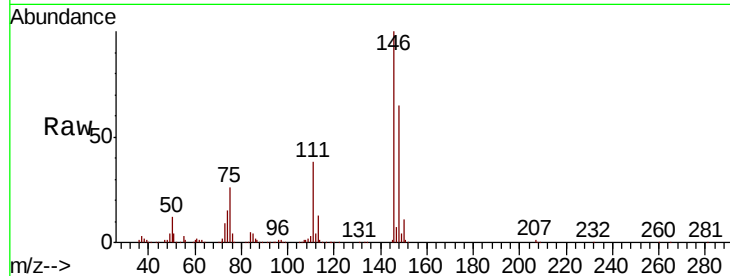




#91
 1,2-Dichlorobenzene
 Concen: 19.155 ug/l
 RT: 13.19 min Scan# 3550
 Delta R.T. 0.00 min
 Lab File: VN057141.D
 Acq: 9 Aug 2019 13:00

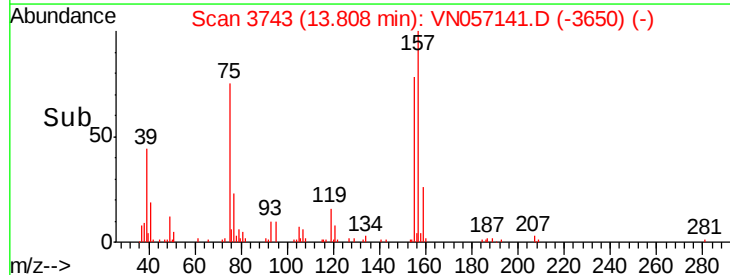
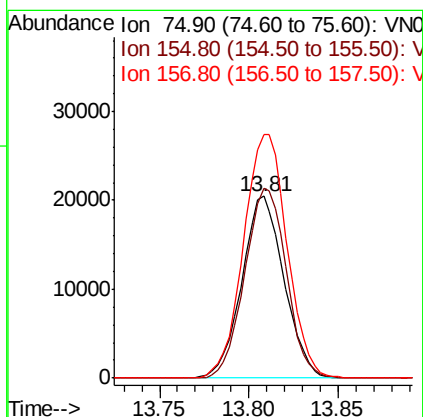
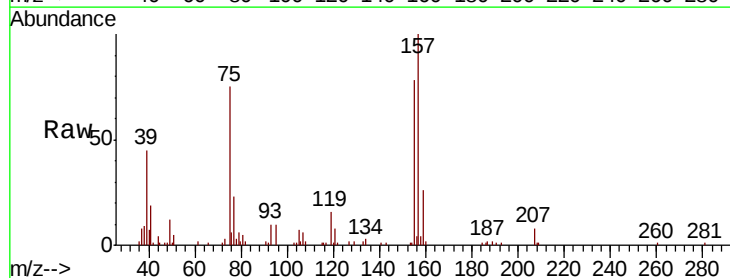
Instrument :
 MSVOA_N
 ClientSampled :
 VN0809WBS01

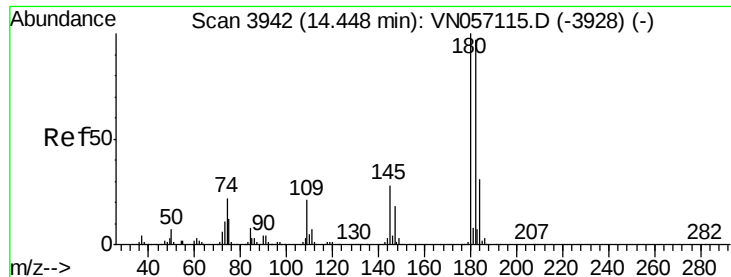
Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.2	57.6
148	65.7	32.4	97.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.108 ug/l
 RT: 13.81 min Scan# 3743
 Delta R.T. -0.00 min
 Lab File: VN057141.D
 Acq: 9 Aug 2019 13:00

Tgt Ion	Ratio	Lower	Upper
75	100		
155	102.8	49.3	147.9
157	138.3	65.3	195.8

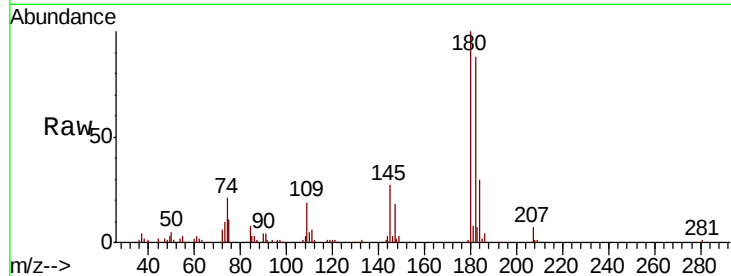




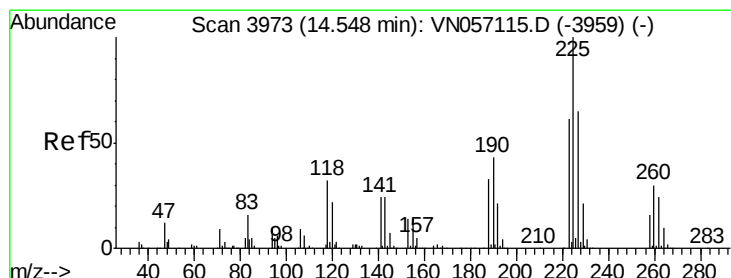
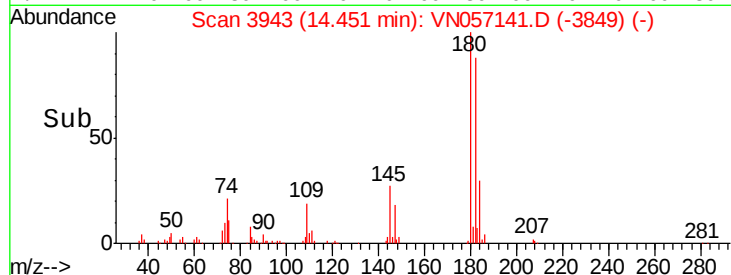
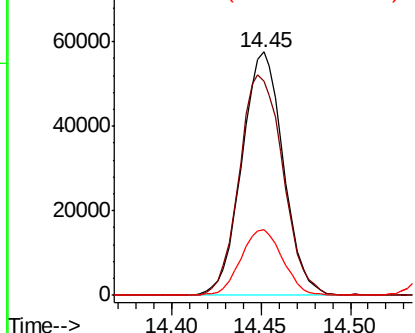
#93
 1,2,4-Trichlorobenzene
 Concen: 16.627 ug/l
 RT: 14.45 min Scan# 3943
 Delta R.T. 0.00 min
 Lab File: VN057141.D
 Acq: 9 Aug 2019 13:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0809WBS01

Tgt Ion:180 Resp: 93262
 Ion Ratio Lower Upper
 180 100
 182 95.6 47.5 142.6
 145 27.3 14.1 42.2

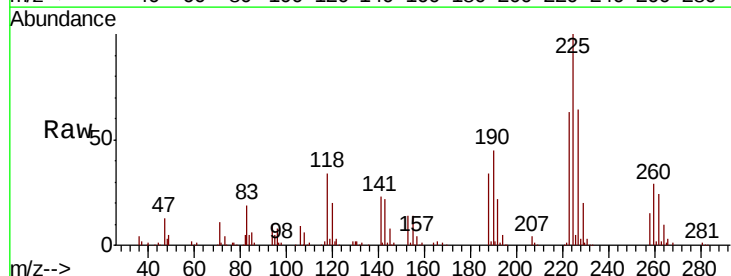


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

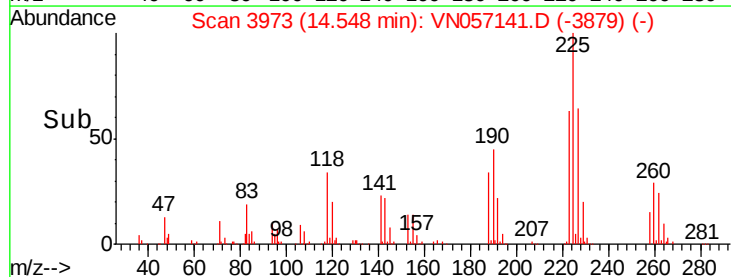
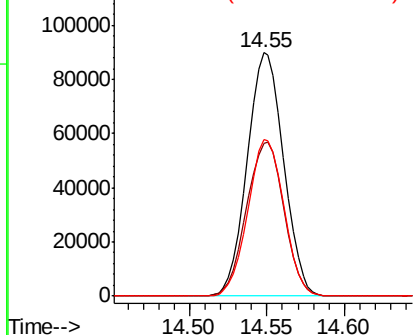


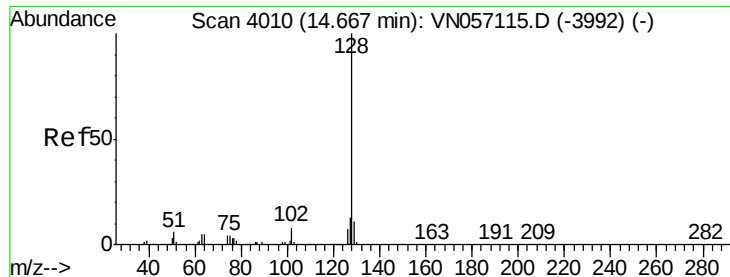
#94
 Hexachlorobutadiene
 Concen: 21.194 ug/l
 RT: 14.55 min Scan# 3973
 Delta R.T. 0.00 min
 Lab File: VN057141.D
 Acq: 9 Aug 2019 13:00

Tgt Ion:225 Resp: 147745
 Ion Ratio Lower Upper
 225 100
 223 64.9 30.9 92.8
 227 63.5 32.4 97.0



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 16.098 ug/l

RT: 14.67 min Scan# 4010

Delta R.T. 0.00 min

Lab File: VN057141.D

Acq: 9 Aug 2019 13:00

Instrument :

MSVOA_N

ClientSampleId :

VN0809WBS01

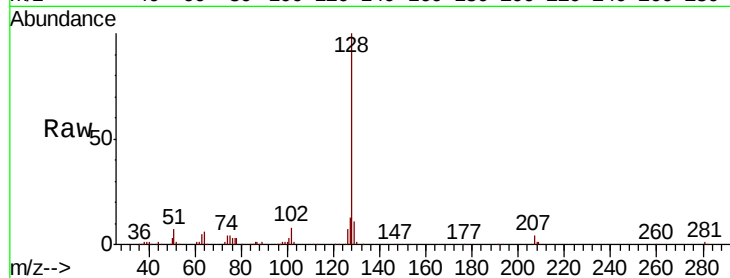
Tgt Ion:128 Resp: 191170

Ion Ratio Lower Upper

128 100

127 13.3 10.3 15.5

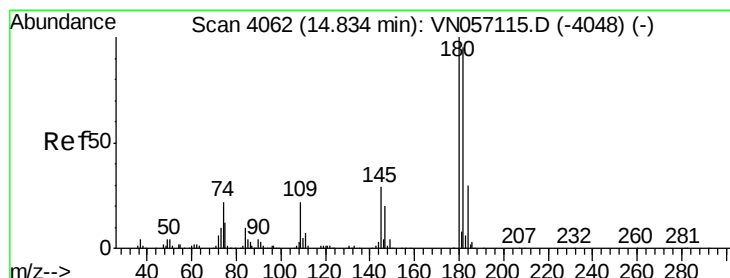
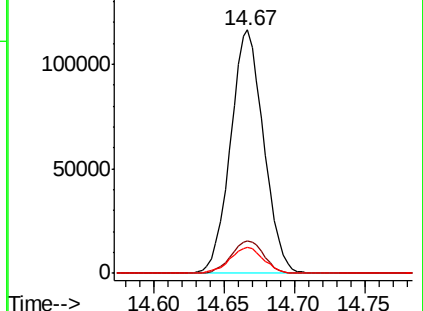
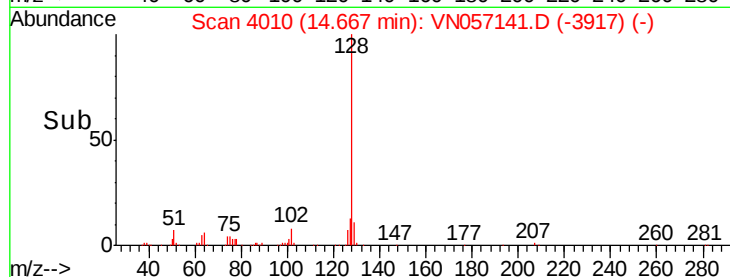
129 11.0 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 16.935 ug/l

RT: 14.83 min Scan# 4062

Delta R.T. -0.00 min

Lab File: VN057141.D

Acq: 9 Aug 2019 13:00

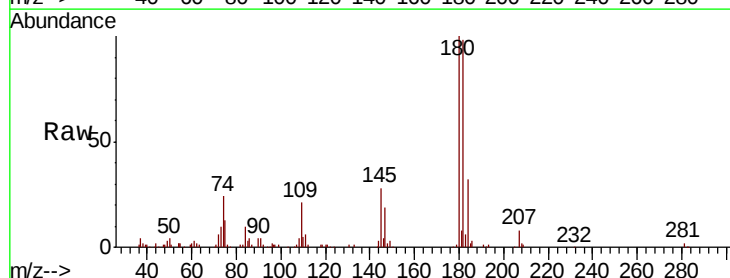
Tgt Ion:180 Resp: 100648

Ion Ratio Lower Upper

180 100

182 97.1 48.3 144.8

145 30.3 14.9 44.5



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

